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ABSTRACT

An assessment instrument to evaluate the competency of speech language pathologists, developed by the Special Education Competencies for Teachers Project, is presented. The instrument was developed by a committee of concerned educators, and a survey of Georgia special education directors, speech language pathologists, and a 10% sampling of principals was undertaken to determine which of the competencies should be minimally required of beginning speech language pathologists. A total of 385 usable returns were calculated and results indicated that for each of the seven task areas (diagnosis, prescription, presentation, monitoring, feedback, program administration, and professional ethics) a lead therapist was the most desired person to provide ratings. The assessment instrument, a 112 item survey, and data on the results of the survey are appended. (PHR)

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SPECIAL EDUCATION COMPETENCIES FOR TEACHERS PROJECT: Speech-Language Pathologists' Competency Assessment

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SPECIAL EDUCATION COMPETENCIES FOR TEACHERS

Speech-Language Pathologists' Competency Assessment

The Special Education Competencies for Teachers (SECT) Project undertook a special study during the 1978-79 fiscal year in the identification of competencies for speech-language pathologists (SLPs). It was determined in the previous year's research that SLPs were consistently rated higher on the validated competency list than other types of special education teachers. In that study the sample of 65 teachers included only 9 SLPs. However, based on that limited number, it appeared that SLPs would be able to rate much higher in the state's competency certification assessments because they dealt with only one or two students at a time in their therapy sessions. Because of this contextual difference in classroom settings, a beginning SLP would more easily meet certification requirements than other teachers.

A group of concerned educators in Georgia formed a state committee to examine this problem. That committee met five times during the year in two-day sessions. These meetings resulted in the attached competency assessment instrument for SLPs (Appendix A).

During the initial committee meetings all available existing competency assessment instruments were examined for competency rating items that might be pertinent to SLPs. A critical incident technique, where videotaped recordings of actual therapy sessions were studied, was used to develop new competency indicators. A list of 112 competency statements resulted from these activities.

A state-wide survey was used to determine which of these competency statements should be minimally required of beginning SLPs. All SLPs and special education directors in Georgia as well as a 10% sampling of all Georgia principals were mailed a copy of the survey (Appendix B). Four questions were asked for each of the 112 competency statements to determine their importance, their frequency of use, the typical performance level, and the appropriate assessment source.

A total of 862 questionnaires were mailed on January 31, 1979. Seventeen were returned by the post office as undeliverable. After two weeks 208 surveys (25%) had been returned. A follow-up letter was mailed to the remaining 637 respondents. After two more weeks an additional 184 surveys (22% of total) had been returned. These returns (46% of the total) were used in the data analysis although a few more returns arrived later. Table 1 illustrates the distribution of the survey sampling.

Table 1

SLP Survey Sampling Returns

	SURVEYS MAILED	RETURNS UNABLE TO DELIVER	FOLLOW-UP LETTER	CALLED/WROTE FOR SURVEY	RETURNS UNABLE TO ANSWER	RETURNS ON ORIGINAL LIST	RETURNS NOT ON ORIGINAL LIST	TOO LATE TO BE COMPUTED COMMENTS INCLUDED
STATE DEPARTMENT	13	0		0	0	5	0	0
SLP COMMITTEE	12	0		0	0	8	0	10
FRINCIPALS	97	1		0	0	37	2	0
SPECIAL EDUCATION DIRECTORS	202	6		0	4	65	0	4
SLP THERAPISTS	537	10		28	0	269	5	0
OTHER	1	0		0	0	1	0	0
TOTALS	862	17	637	28	4	385	7	14
					TOTAL	392		406

The appropriate data source for the assessment of specific competency areas was surveyed. The 112 competency statements were divided into seven task areas: diagnosis, prescription, presentation, monitoring, feedback, program administration, and professional ethics. (It was anticipated that knowledge competencies would be assessed using paper and pencil tests or using interviews and simulations). The survey asked who should provide the ratings in each of the seven areas.

The results indicate that a lead therapist is the most desired in every case with a peer teacher in speech-language pathology following closely. The school principal and the special education director or coordinator were often named, particularly in the areas of program administration and professional ethics. It is noteworthy that the "other" sources item most frequently specified "self" as an appropriate data source. Table 2 reports these results.

One of the questions in the survey asked, "How important is this competency to the performance of an SLP?" Each of the 112 competency statements was rated as (1) not important, (2) important, but not absolutely necessary, or (3) essential for minimally competent performance. Those items which were rated essential by 80% or more of the respondents were included in the SLP instrument. Of the 112 statements, 58 met this criterion (Appendix C).

How often a competency is used was important information to learn. If a certain skill were essential but needed only on the first day of class, a question arises concerning the feasibility of random observations. Competency skills and behaviors used infrequently could not be assessed throughout the year. Of the 58 essential items, all were thought to be used "frequently" by at least 50% of the respondents.

The final area of concern was an estimation of the performance level to expect of Georgia's SLPs on these competencies. Although this percentage was not a criterion to meet for inclusion in the assessment instrument, if a competency were rated essential and frequently employed but inadequately performed by most SLPs, a special need would be indicated. Only two items rated as essential or important (#58, counsels parents and #63, informs community) were thought to be inadequately performed by more than 25% of the respondents (Appendix D).

Table 2. Survey responses to the question, "Who should collect the data for evaluating SLP Competencies?"

		1	2	3	4	5	6	7
Peer Teacher in SLP	A	296	284	289	264	260	191	206
Peer Teacher in Spec. Education	B	61	64	81	62	88	52	62
Peer Teacher in any field	C	19	17	27	15	71	19	44
Principal	D	63	52	95	93	121	151	209
Spec. Ed. Director	E	120	109	103	113	106	182	141
Spec. Ed. Coordinator	F	199	202	196	197	159	239	209
Lead Therapist	G	322	320	306	294	284	263	268
State Dept. of Educ. staff member	H	44	38	42	42	21	56	29
Trained Data collector from your sch. system	I	83	65	72	84	61	59	55
Trained Data collector from State Dept. of Education	J	77	70	62	72	52	61	51
Trained Data collector from independent agency	K	23	16	20	21	16	12	11
University Personnel	L	67	52	43	43	35	28	28
Parents	M	10	11	9	6	59	9	9
Students	N	1	1	16	2	30	0	4
Other	O	4	6	4	5	5	2	3
TOTALS		1389	1307	1365	1313	1368	1324	1329

The state SLP committee worked through the subsequent 3 meetings in the spring to prepare the assessment instrument of essential competencies. Similar items were grouped into competency areas, indicator skills were identified, and mutually exclusive but exhaustive descriptors were written and revised.

The resulting document is called the SECT/SLP Assessment Instrument. It contains the best "guesses" that the profession can provide for the assessment of competent SLPs. The instrument must be tested, revised, and validated in coming years. It is an important step toward teacher improvement and the science of education.

APPENDICES

A: SECT/SLP Assessment Instrument

B: SLP Survey

C: Scale I: Importance by Position

D: Scale P: Performance by Position

SPECIAL EDUCATION COMPETENCIES FOR TEACHERS

SPEECH-LANGUAGE PATHOLOGISTS'

ASSESSMENT INSTRUMENT

September 1979

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A Title IV/C Developmental Project Funded by the Georgia Department of Education

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The Speech-Language Pathologists' (SLP) Competencies Project

Background

Last year (FY 79) several speech-language pathologists became concerned that no competency-based certification procedures were being developed for SLPs. Although all other teachers in the state were going to fall under the Georgia generic competency assessment program, speech-language pathologists having SLP certificates rather than T certificates, would not be assessed. A state SLP committee was formed and, with a small grant from the State Department of Education, proceeded to develop their own program.

Existing competency assessment instruments were examined and new competencies pertinent to SLPs were designed by the committee. A state-wide survey of all SLPs, special education directors, and 10% of the state's principals selected those competencies which 80% of the sample thought were essential to instruction. Indicators and descriptors were written and rewritten until a refined competency assessment instrument for SLPs met with their approval.

The Special Education Competencies for Teachers/Speech-Language Pathologists' Instrument (SECT/SLP Instrument) was created by SLPs but has not been field-tested. Once again the State Department of Education agreed to financially support these efforts to validate the instrument for use with beginning SLPs.

Validation and Field-Testing of the SECT/SLP Instrument

During the coming year (FY 80) Project SECT will conduct a field-test of the SLP Competency Assessment Instrument. A concurrent validation procedure will be used to identify which competencies and indicators can discriminate between competent and incompetent demonstrations of therapy.

Thirty-five beginning SLPs will be invited to participate in this project. A beginning SLP is any speech-language pathologist in their first year of teaching (Bachelor's or Master's degree). These SLPs will be video taped once for thirty to sixty minutes during therapy sessions sometime in October, November, or December. At the same time they will be assessed by the SECT/SLP instrument and the Georgia generic instrument. The video tapes will later be rated independently by a panel of expert SLP teachers, administrators, and professors on overall demonstration of competency. This rating will serve as the external criterion measure for validation.

A comparison of the instrument ratings and the expert panel ratings will determine which indicators can successfully discriminate among the teachers. Those indicators and competencies which sort the teachers into the same categories as the expert panel are the ones to recommend for use in a certification assessment procedure.

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THE SECT/SLP ASSESSMENT INSTRUMENT

The Special Education Competencies for Teachers (SECT/SLP) Project has produced this manual to help speech-language pathologists and administrators improve the quality of instruction in programs for the speech-language impaired through a process of competency based evaluations.

DIRECTIONS

This booklet contains 11 performance competencies. Each competency contains several indicator items. Each indicator item can be rated from 1 to 5 by selecting the descriptor which best describes that aspect of the observed therapy session. By calculating the mean score of each group of indicator items within a competency, the competency rating is obtained. When an accurate descriptor cannot be selected, the observer should write in N/A (not applicable) and omit that item when computing the competency mean.

Three different data sources (observers) will be making the complete assessment: a principal or administrator, a special education supervisor (lead therapist, coordinator or other supervisor person), and an external data collector (with SLP certification). Not all of the 11 competencies can be assessed by all three observers. At the back of this booklet are three different recording forms color coded as follows:

Blue - Principal/Administrator

Green - Special Education Supervisor

Beige - External SLP Data Collector

These recording forms contain only those competencies to be rated by that particular data source. Please take a moment to look at your recording form and determine which competencies you will be assessing. The final page (white) of this booklet is the Therapist's copy of the recording form containing all 11 competencies. The number in parentheses after each indicator item is the page reference for this item in the booklet.

For each item the competency, indicator and descriptors are designated as follows:

I. **COMPETENCY (bold face)**

A. <u>Indicator item</u> (underlined)

1. Descriptor (lower case)

Indicator items in Competencies I through IX are hierarchical in design, i.e., descriptors range from least desirable (1) to most desirable (5). The SLP cannot rate a 3, for instance, if he/she has not met the requirements for a 2 on that particular item. It is, therefore, necessary to read all the descriptors when rating an item and to make sure that the observed performance satisfies each step on the scale before arriving at the highest rating you determine the performance merits. You should also bear in mind the general competency area you are rating when looking at each indicator item. This will help to establish a frame of reference for determining the best rating for that indicator.

The indicator items in Competencies X and XI are designed differently. Each indicator contains four desirable performance descriptors. These are labeled a, b, c, d. A rating is determined by the number of these desirable descriptors observed; that is, if none are observed, you rate a 1, if only one is observed you rate a 2, etc. In addition to this numerical rating, please indicate (by checking on the recording form the small boxes to the right of the indicator labeled a, b, c, d,) which particular descriptors are observed.

Evidence for rating some indicators must be found in the portfolio. This will be indicated at the bottom of the page where required.

Evidence and/or clarification of some indicators will be obtained through interviewing the therapist. These indicators will be referenced on the interview questions.

In order to rate Competency X the administrator and supervisor must have had professional contact with the therapist. If they have not had this contact, they should mark these indicators N/A (not applicable).

PORTFOLIO

Examination of plans and materials for several therapy sessions covering a short instructional unit is an essential part of the assessment process. Each data source must examine these plans and materials and ask questions of the speech-language pathologist in order to rate certain items on the assessment instrument.

To faciltate this process, the speech-language pathologist will need to assemble a portfolio of materials for the unit to be assessed.

THE FOLLOWING ITEMS MUST BE INCLUDED IN THE PORTFOLIO:

1. Written objectives and long range goals.
2. Descriptions of instructional procedures to be followed.
3. Copies or descriptions of materials to be used (e.g., handouts, study guides, etc.). Materials such as films, books can be cited without placing them in the portfolio.
4. Assignments for learners.
5. Copies of tests, progress checks, checklists or other evaluation materials/procedures.
6. Records on program and student management.

These plans and materials need only be for the students who will be present during the observations. They should cover a span of time sufficient for all the data sources to make their observations. A 5-10 day time span, or 3 to 4 therapy sessions should suffice.

I. COORDINATES AND MANAGES A PROGRAM FOR THE SPEECH-LANGUAGE IMPAIRED

A. The SLP informs faculty of program services.

1. Fails to inform faculty of available program services.

2. Inconsistently makes attempts to inform faculty.

3. Informs faculty of available services, but does not utilize a comprehensive plan.

4. Utilizes a comprehensive plan to inform faculty of available services.

5. Utilizes a comprehensive plan which is presented both orally and in writing to staff members at the beginning of the school year. The SLP schedules informative follow-up sessions held during faculty meetings or in-service training sessions during the academic year.

I. **COORDINATES AND MANAGES A PROGRAM FOR THE SPEECH-LANGUAGE IMPAIRED**

B. <u>The SLP develops a schedule which will fit the needs of the student, school and faculty.</u>

1. Makes little or no effort to schedule for the provision of services.

2. Develops an unwritten schedule for the provision of services. This schedule does not necessarily fit the needs of the student, school and faculty.

3. Develops a written schedule for the provision of services based primarily on student need. Some effort to involve school and faculty is noted.

4. Develops a written schedule for the provision of services based primarily on student need. It is evident that a concerted effort has been made to fit the needs of the school and faculty.

5. In addition to # 4, the SLP schedules time for planning, conferences with parents and teachers, IEP meetings, and student evaluations. A copy of the schedule is given to the principal.

I. **COORDINATES AND MANAGES A PROGRAM FOR THE SPEECH-LANGUAGE IMPAIRED**

C. The SLP maintains records for reporting program and student management information.

1. Program and student records are not maintained.

2. Record keeping procedures are inconsistent. Program and student records are incomplete and/or not current.

3. The SLP has developed and implemented a system that maintains current records for reporting program and student management information. A set of procedures has been established. All required forms and procedures are completed.

*4. In addition to # 3, all forms are easily accessible for reference. Daily student progress information is available as evidenced by records, charts and/or graphs.

5. In addition to # 4, extensive program management records are maintained and analyzed (e.g., cost effectiveness of therapy, average length of services for mild, moderate, and severe students, accuracy of teacher referrals, etc.)

* Evidence of this descriptor must be found in the portfolio.

I. **COORDINATES AND MANAGES A PROGRAM FOR THE SPEECH-LANGUAGE IMPAIRED**

D. The SLP implements procedures (screening and/or referrals) to identify students needing speech-language evaluation.

1. Does not implement and utilize identification procedures.

2. Implements limited identification procedures which do not encompass all areas of speech-language impairment (articulation, voice, fluency, language).

3. Implements procedures for screening and/or referrals that encompass all major areas of speech-language impairment.

4. Implements identification procedures that encompass all major areas of speech-language impairment and are based on established criteria.

5. In addition to # 4, a written plan for implementation is available.

II. EMPLOYS CASE ADMINISTRATION PROCEDURES

A. <u>The SLP follows through on referrals made to the program.</u>

1. Makes no effort follow through on referrals.

2. Makes some effort to follow through on referrals.

3. Utilizes an organized follow through procedure.

4. In addition to # 3, the referring source is informed of the disposition of the referral.

5. In addition to # 4, a conference with the referring source is held and a record of the results of the referrai is maintained.

II. EMPLOYS CASE ADMINISTRATION PROCEDURES

B. The SLP makes referrals for further evaluations.

1. Does not identify the need for further referrals.

2. Identifies students who require further evaluation but makes no effort to refer.

3. Identifies students who need further evaluation and makes the proper referrals.

4. In addition to # 3, follows the evaluation by contacting the referral agency/person and discussing the results.

5. . In addition to # 4, makes an effort to insure that the referral has been completed.

II. EMPLOYS CASE ADMINISTRATION PROCEDURES

C. <u>The SLP selects and prioritizes for therapy according to established entrance criteria.</u>

1. Follows no specific criteria for the selection of students or for prioritizing the caseload for speech-language therapy services.

2. Follows unwritten entrance criteria in determining student eligibility for speech-language therapy.

3. Follows written entrance criteria which are usually applied in determining student eligibility for speech-language therapy. An unwritten prioritization system is used in recommending which students will receive services first and which, if any, will go on a waiting list.

4. Follows written entrance criteria which are applied consistently in determining student eligibility for speech-language therapy. A written prioritization system is used consistently in recommending which students will receive services first and which, if any, will go on a waiting list.

5. In addition to # 4, distributes copies of the caseload prioritization system to administrators.

II. EMPLOYS CASE ADMINISTRATION PROCEDURES

D. The SLP uses exit criteria for recommending dismissal of students from therapy.

1. Uses no specific program exit criteria.

2. Utilizes unwritten standards for recommending dismissal of students from therapy.

3. Follows written exit criteria and applies these criteria inconsistently in making recommendations regarding dismissal from therapy.

4. Follows written exit criteria which are applied consistently in making recommendations regarding dismissal from therapy. The exit criteria may not be specific enough to use in making decisions about dismissal from therapy to some type cases (e.g., severely multi-handicapped, trainable mentally retarded, etc.).

5. Follows written standards for exit criteria which are applied consistently in making decisions regarding dismissal from therapy. Specific exit criteria encompass all types of cases.

III. EVALUATES STUDENTS FOR SPEECH-LANGUAGE IMPAIRMENTS

A. The SLP obtains and uses test information from the diagnostic/evaluation procedures.

1. Does not obtain and uses information from test results.
2. Obtains inaccurate information from test results.
3. Obtains accurate information from test results although needs assistance with test interpretation.
4. Obtains accurate information from test results and rarely needs assistance with test interpretation.
5. Obtains accurate information from test results and compares/contrasts results of various tests to further analyze students' speech-language patterns.

III. EVALUATES STUDENTS FOR SPEECH-LANGUAGE IMPAIRMENTS

B. The SLP selects and organizes evaluation procedures in order to provide a comprehensive evaluation.

1. Lacks procedures for evaluation of students.

2. Selects procedures which provide evaluation for some students.

3. Selects procedures which provide most students with a comprehensive evaluation. Because these procedures are not well organized, maximum diagnostic information is not obtained.

4. Selects and organizes procedures which provide most students with a comprehensive evaluation.

5. Selects and organizes procedures which provide all students with a comprehensive evaluation designed to meet his/her individual needs.

Information used in rating this indicator must be found in the portfolio.

IV. PLANS STUDENT SPEECH-LANGUAGE PROGRAM

A. <u>The SLP utilizes available information to develop long range therapy goals.</u>

1. Does not develop long range goals or long range goals are incomplete.

2. Is unable to explain bases upon which long range goals are developed for the individual student.

3. Is able to explain bases upon which long range goals are developed but no documentation is available.

*4. Is able to explain bases upon which long range goals are developed and some documentation is available for each goal.

*5. Is able to explain bases upon which long range goals are developed and full documentation is available for each goal.

*Evidence for these descriptors must be found in the portfolio.

IV. **PLANS STUDENT SPEECH-LANGUAGE PROGRAM**

B. The SLP develops short term therapy objectives.

1. Does not develop short term therapy objectives.

2. Develops short term therapy objectives.

3. Develops short term therapy objectives which are based on identified student needs.

4. Develops short term therapy objectives which are related to long range goals and based on identified student needs.

5. Develops short term therapy objectives directly related to each long range goal which are written in behavioral terms and based on identified student needs.

Information used in rating this indicator must be found in the portfolio.

IV. PLANS STUDENT SPEECH-LANGUAGE PROGRAM

C. The SLP adjusts student objectives.

1. Does not adjust objectives as student needs indicate.
2. Adjusts objectives to meet student needs, however, no written documentation of rationale is evident.
3. Adjusts objectives based on limited written documentation of student progress.
4. Adjusts all student objectives needing revision based on written documentation of student progress.
5. In addition to # 4, references all revisions to written documentation of student progress.

Information used in rating this indicator must be found in the portfolio.

V. USES PROCEDURES AND MATERIALS FOR THERAPY

A. <u>The SLP uses materials that are compatible for student age and student interests.</u>

1. Uses materials which are not compatible with student age and/or interests.

2. Uses materials which are compatible with student age and/or interests some of the time.

3. Uses materials which are compatible with student age and/or interests most of the time.

4. Uses materials which are compatible with student age and/or interests all of the time.

5. In addition to # 4, allows some student choice of materials.

V. USES PROCEDURES AND MATERIALS FOR THERAPY

B. The SLP uses therapy approaches which meet individual student needs.

1. Does not use therapy approaches chosen on the basis of individual student needs (indicated by student responses, student progress, or SLP's stated rationale for selection of approaches).

2. Seldom uses therapy approaches chosen on the basis of individual student needs.

3. Usually uses therapy approaches chosen on the basis of individual student needs.

4. Always uses therapy approaches chosen on the basis of individual student needs.

5. In addition to # 4, the SLP incorporates new and/or innovative therapy approaches.

VI. COMMUNICATES WITH OTHERS

A. The SLP uses standard English when speaking (phonology, morphology and syntax).

1. Verbal output is characterized by numerous distracting and consistent variances which distort and/or make the verbal message difficult to understand.

2. Verbal output is characterized by some distracting variances which distort and/or make the verbal message difficult to understand.

3. Verbal output is characterized by some distracting variances, but the verbal message is readily understood.

4. Verbal output is characterized by infrequent, barely noticeable variances and verbal message is readily understood.

5. Verbal output is characterized by an absence of noticeable variances.

VI. COMMUNICATES WITH OTHERS

B. The SLP uses standard English when writing (legibility, spelling, punctuation, morphology, syntax, organization).

1. Writing is characterized by numerous distracting and consistent variances which distort and/or make the content difficult to read and comprehend.

2. Writing is characterized by some distracting variances which distort and/or make the content difficult to read and comprehend.

3. Writing is characterized by some distracting variances, but the content is easily read and comprehended.

4. Writing is characterized by infrequent variances, but content is easily read and comprehended.

5. Writing is characterized by an absence of variances and a noticeably well-organized, coordination of ideas (i.e., the purpose of the written message is readily understood and sentences and paragraphs incorporate different aspects of the stated purpose; transitions are provided and adjacent paragraphs are related).

Evidence of this indicator may be found by referring to the portfolio if necessary.

VI. COMMUNICATES WITH OTHERS

C. The SLP provides instructions and explanations which are understood by the students.

1. Uses instructions and explanations that are consistently incompatible with the student's level of understanding.

2. Uses instructions and explanations that are incompatible with the student's level of understanding some of the time.

3. Uses instructions and explanations that are compatible with the student's level of understanding most of the time.

4. Uses instructions and explanations that are compatible with the student's level of understanding and makes modifications when necessary so that the student usually understands.

5. Uses instructions and explanations that are highly compatible with the student's level of understanding and modifies in rare instances of misunderstanding.

VII. EVOKES DESIRED RESPONSES FROM STUDENTS

A. <u>The SLP gains the student's attention before presenting an evaluation or therapy stimulus.</u>

1. Is not aware of the student's inattention.

2. Attempts to gain the student's attention before presenting stimulus but is unsuccessful most of the time.

3. Gains the student's attention before presenting stimulus most of the time.

4. Almost always gains the student's attention before presenting stimulus.

5. Always gains the student's attention before presenting stimulus.

VII. EVOKES DESIRED RESPONSES FROM STUDENTS

B. The SLP provides stimuli or cues during therapy.

1. Provides stimuli or cues which are consistently unclear and uses modalities which do not facilitate student response.

2. Provides unclear stimuli or cues most of the time and/or uses modalities which frequently do not facilitate student response.

3. Provides stimuli or cues which are clear most of the time and uses modalities which usually facilitate student response.

4. Consistently provides stimuli or cues which are clear and uses modalities which consistently facilitate student response.

5. In addition to # 4, uses innovative techniques for stimulation.

VII. EVOKES DESIRED RESPONSES FROM STUDENTS

C. <u>The SLP obtains responses which allow for evaluation of student performance in therapy.</u>

1. Obtains too few responses to judge adequacy of student performance at a given level of therapy.

2. Seldom obtains sufficient responses to judge adequacy of student performance at a given level of therapy.

3. Obtains enough responses most of the time to judge adequacy of student performance at a given level of therapy.

4. Consistently obtains enough responses to judge adequacy of student performance at a given level of therapy.

5. Obtains optimal number of responses to judge adequacy of student performance at a given level of therapy.

VIII. PROMOTES BEHAVIORAL CHANGE

A. The SLP provides motivating activities.

1. Designs and presents activities with no consideration of individual student's therapy needs and interests.

2. Designs and presents activities which recognize some of the student's therapy needs and interests.

3. Consistently designs and presents activities which although limited in variety are differentiated according to student ability, interests and therapy needs.

4. Consistently designs and presents a wide variety of activities which are differentiated according to study ability, interests and therapy needs.

5. In addition to # 4, stimulates the student to work independently and to engage in therapy-related work outside of the therapy setting.

VIII. PROMOTES BEHAVIORAL CHANGE

B. <u>The SLP records responses during diagnostic and therapy activities.</u>

1. Does not record responses.
2. Records few responses.
3. Records most responses but the flow of the session is occasionally interrupted.
4. Records all responses and the flow of the session is not interrupted.
5. In addition to # 4, accelerates progress toward therapy goals.

VIII. PROMOTES BEHAVIORAL CHANGE

C. The SLP discriminates between correct/incorrect student responses.

1. Consistently makes errors in discriminating between correct/incorrect student responses; student often appears to be aware of SLPs errors in discrimination.

2. Consistently makes errors in discriminating between correct/incorrect student responses; errors often interfere with the progression of the therapy session.

3. Occasionally makes errors in discriminating between correct/incorrect student responses; errors do not interfere with the progression of the therapy session.

4. Rarely makes errors in discriminating between correct/incorrect student responses.

5. Makes no errors in discriminating between correct/incorrect student responses.

IX. PROVIDES A POSITIVE LEARNING ATMOSPHERE

A. <u>The SLP maintains a physical envrionment conducive to learning.</u>

1. Does not maintain a clean, organized work setting (materials, furniture and equipment are misplaced; papers, books, and litter are scattered on tables, desks and shelves).

2. Maintains a clean but disorganized work setting. No apparent effort has been made to have the therapy setting attractive or comfortable in regard to seating arrangements, heating and lighting.

3. Maintains a clean, comfortable, and organized work setting.

4. In addition to # 3, bulletin boards and/or other visual displays add to the attractiveness of the therapy setting.

5. In addition to # 4, bulletin boards and displays consist of information about therapy-oriented topics and student progress and reward systems.

IX. PROVIDES A POSITIVE LEARNING ATMOSPHERE

B. The SLP maintains on-task behavior of students.

1. Consistently ignores inattentive student behavior.
2. Attempts unsuccessfully to maintain student's attention.
3. Maintains the student's attention but inconsistently. Relies heavily on verbal reprimand.
4. Uses a few varied methods to consistently maintain the student's attention.
5. Uses a wide variety of methods to consistently maintain the student's attention.

IX. PROVIDES A POSITIVE LEARNING ATMOSPHERE

C. <u>The SLP develops and maintains an effective working relationship with the student.</u>

1. Shows indifference through the use of voice inflection, facial expressions, and actions; ignores the student's attempts to share experiences; is sarcastic or critical.

2. Discourages the student or shows only mild concern and interests; listens to some of the student's comments about his/her experiences.

3. Is polite and courteous with the student; acknowledges student needs; inconsistently indicates interest and concern for the student.

4. Is polite and courteous with the student; acknowledges student needs; consistently indicates interest and concern for the student.

5. Consistently uses voice inflection, facial expressions, and actions to show enthusiasm and concern; requests student responses and input; incorporates student responses, input and questions into subsequent therapy activities.

IX. PROVIDES A POSITIVE LEARNING ATMOSPHERE

D. The SLP reinforces student reponses.

1. Gives no indication whether student responses are correct or incorrect.

2. Gives a few ambiguous indicators that student responses are correct or incorrect (e.g., saying O.K., all right).

3. Clearly indicates whether student responses are correct or incorrect; relies upon only one type of feedback (e.g., saying "that's right" for each correct response).

4. Consistently indicates the correctness of responses; uses more than one type of reinforcement or reward; offers a few explanations and suggestions.

5. Consistently uses a wide variety of reinforcements and rewards; indicates whether or not responses are correct; offers explanations and suggestions; relates student responses to achievement of objectives and long range goals.

X. MEETS PROFESSIONAL OBLIGATIONS AND RESPONSIBILITIES

A. The SLP demonstrates independent work habits.

Ratings	Descriptors
1. None of the descriptors is evident.	a. Is punctual and exhibits regular attendance to work, conferences, and meetings.
2. One descriptor is evident.	b. Rarely misses or postpones appointments and notifies appropriate people well in advance if rearrangements are necessary.
3. Two descriptors are evident.	c. Fulfills all work responsibilities and frequently assumes additional work related tasks.
4. Three descriptors are evident.	d. Requires minimal or no supervision in duties and tasks.
5. Four descriptors are evident.	

X. **MEETS PROFESSIONAL OBLIGATIONS AND RESPONSIBILITIES**

B. The SLP demonstrates professional conduct.

Ratings	Descriptors
1. None of the descriptors is evident.	a. Participates cooperatively and politely with co-workers, administrators, other professionals, parents and the community.
2. One descriptor is evident.	b. Shares professional materials and ideas with co-workers through conversations, presentations or printed material.
3. Two descriptors are evident.	c. Gives accurate information to other professionals and parents concerning the program services.
4. Three descriptors are evident.	d. Demonstrates positive attitude towards the profession.
5. Four descriptors are evident.	

X. MEETS PROFESSIONAL OBLIGATIONS AND RESPONSIBILITIES

C. The SLP demonstrates ethical behavior.

Ratings	Descriptors
1. None of the descriptors is evident.	a. Carries out the policies and procedures of the school district by meeting contractual obligations and system directives.
2. One descriptor is evident.	b. Completes assignments, records and reports by maintaining thorough daily logs, class rolls, and individual eductional plans.
3. Two descriptors are evident.	c. Maintains confidentiality of written records and of oral communication.
4. Three descriptors are evident.	d. Follows appropriate methods to change school policies and procedures.
5. Four descriptors are evident.	

XI. ENGAGES IN SELF-IMPROVEMENT

A. The SLP determines professional needs.

Ratings	Descriptors
1. None of the descriptors is evident.	a. Evaluates strengths and limitations and establishes individual goals for self-improvement.
2. One descriptor is evident.	b. Encourages feedback regarding job performance in an open, non-defensive manner.
3. Two descriptors are evident.	c. Accepts feedback regarding job performance in an open, non-defensive manner.
4. Three descriptors are evident.	d. Adopts new teaching ideas and information and adjusts behavior accordingly.
5. Four descriptors are evident.	

XI. ENGAGES IN SELF-IMPROVEMENT

B. The SLP participates in professional growth activities.

Ratings

1. None of the descriptors is evident.
2. One descriptor is evident.
3. Two descriptors are evident.
4. Three descriptors are evident.
5. Four descriptors are evident.

Descriptors

a. Uses journals and books to keep abreast of current ideas concerning the SLP profession.

b. Attends continuing educational and staff development programs on own initiative.

c. Participates in in-service functions, workshops and other meetings designed to up-grade professional skills.

d. Participates and holds membership in organizations (local, regional, national) designed to promote professional growth and development, interests and skills.

PRINCIPAL/ADMINISTRATOR RECORDING FORM

Therapist _____ Date _____ Rater _____

I.		COORDINATES AND MANAGES PROGRAM
		A. Informs faculty of services (4)
		B. Develops schedule (5)
		C. Maintains records and student information (6)
		D. Implements procedures (7)
II.		EMPLOYS CASE ADMINISTRATION PROCEDURES
		A. Follows through on referrals (8)
		B. Makes referrals for further evaluations (9)
		C. Uses entrance criteria (10)
		D. Uses exit criteria (11)
VI.		COMMUNICATES WITH OTHERS
		A. Uses standard English when speaking (19)
		B. Uses standard English when writing (20)
		C. Provides clear instructions and explanations (21)
IX.		PROVIDES A POSITIVE LEARNING ATMOSPHERE
		A. Maintains physical environment (28)
		B. Maintains on-task behavior (29)
		C. Maintains effective working relationships (30)
		D. Reinforces responses of students (31)
X.		MEETS PROFESSIONAL OBLIGATIONS AND RESPONSIBILITIES
		A. Demonstrates independent work habits (32)
		B. Demonstrates professional conduct (33)
		C. Demonstrates ethical behavior (34)
		a. b. c. d.
XI.		ENGAGES IN SELF-IMPROVEMENT
		A. Determines professional needs (35)
		B. Participates in professional growth (36)
		a. b. c. d.

SPECIAL EDUCATION SUPERVISOR RECORDING FORM

Therapist _____ Date _____ Rater _____

I. COORDINATES AND MANAGES PROGRAM

- A. Informs faculty of services (4)
- B. Develops schedule (5)
- C. Maintains records and student information (6)
- D. Implements procedures (7)

II. EMPLOYS CASE ADMINISTRATION PROCEDURES

- A. Follows through on referrals (8)
- B. Makes referrals for further evaluations (9)
- C. Uses entrance criteria (10)
- D. Uses exit criteria (11)

IV. PLANS STUDENT SPEECH-LANGUAGE PROGRAM

- A. Utilizes available information for long range goals (14)
- B. Develops short term objectives (15)
- C. Adjusts student objectives (16)

V. USES PROCEDURES AND MATERIALS FOR THERAPY

- A. Uses appropriate materials (17)
- B. Meets individual student needs (18)

VI. COMMUNICATES WITH OTHERS

- A. Uses standard English when speaking (19)
- B. Uses standard English when writing (20)
- C. Provides clear instructions and explanations (21)

IX. PROVIDES A POSITIVE LEARNING ATMOSPHERE

- A. Maintains physical environment (28)
- B. Maintains on-task behavior (29)
- C. Maintains effective working relationships (30)
- D. Reinforces responses of students (31)

X. MEETS PROFESSIONAL OBLIGATIONS AND RESPONSIBILITIES

		a.	b.	c.	d.
A.	Demonstrates independent work habits (32)				
B.	Demonstrates professional conduct (33)				
C.	Demonstrates ethical behavior (34)				

XI. ENGAGES IN SELF-IMPROVEMENT

		a.	b.	c.	d.
A.	Determines professional needs (35)				
B.	Participates in professional growth (36)				

EXTERNAL SLP DATA COLLECTOR RECORDING FORM

Therapist _____ Date _____ Rater _____

I.		COORDINATES AND MANAGES PROGRAM	
		A.	Informs faculty of services (4)
		B.	Develops schedule (5)
		C.	Maintains records and student information (6)
		D.	Implements procedures (7)
II.		EMPLOYS CASE ADMINISTRATION PROCEDURES	
		A.	Follows through on referrals (8)
		B.	Makes referrals for further evaluations (9)
		C.	Uses entrance criteria (10)
		D.	Uses exit criteria (11)
III.		EVALUATES STUDENTS FOR SPEECH-LANGUAGE IMPAIRMENTS	
		A.	Obtains and uses information (12)
		B.	Selects and organizes evaluation procedures (13)
IV.		PLANS STUDENT SPEECH-LANGUAGE PROGRAM	
		A.	Utilizes available information for long range goals (14)
		B.	Develops short term objectives (15)
		C.	Adjusts student objectives (16)
V.		USES PROCEDURES AND MATERIALS FOR THERAPY	
		A.	Uses appropriate materials (17)
		B.	Meets individual student needs (18)
VI.		COMMUNICATES WITH OTHERS	
		A.	Uses standard English when speaking (19)
		B.	Uses standard English when writing (20)
		C.	Provides clear instructions and explanations (21)
VII.		EVOKES DESIRED RESPONSES FROM STUDENTS	
		A.	Gains students' attention (22)
		B.	Provides stimuli or cues (23)
		C.	Obtains responses for evaluation (24)
VIII.		PROMOTES BEHAVIORAL CHANGE	
		A.	Provides motivating activities (25)
		B.	Records responses (26)
		C.	Discriminates between correct/incorrect responses (27)
IX.		PROVIDES A POSITIVE LEARNING ATMOSPHERE	
		A.	Maintains physical environment (28)
		B.	Maintains on-task behavior (29)
		C.	Maintains effective working relationships (30)
		D.	Reinforces responses of students (31)
XI.		ENGAGES IN SELF-IMPROVEMENT	
		A.	Determines professional needs (35)
		B.	Participates in professional growth (36)

a.	b.	c.	d.

I.	COORDINATES AND MANAGES PROGRAM		
		A.	Informs faculty of services (4)
		B.	Develops schedule (5)
		C.	Maintains records and student information (6)
		D.	Implements procedures (7)
II.	EMPLOYS CASE ADMINISTRATION PROCEDURES		
		A.	Follows through on referrals (8)
		B.	Makes referrals for further evaluations (9)
		C.	Uses entrance criteria (10)
		D.	Uses exit criteria (11)
III.	EVALUATES STUDENTS FOR SPEECH-LANGUAGE IMPAIRMENTS		
		A.	Obtains and uses information (12)
		B.	Selects and organizes evaluation procedures (13)
IV.	PLANS STUDENT SPEECH-LANGUAGE PROGRAM		
		A.	Utilizes available information for long range goals (14)
		B.	Develops short term objectives (15)
		C.	Adjusts student objectives (16)
V.	USES PROCEDURES AND MATERIALS FOR THERAPY		
		A.	Uses appropriate materials (17)
		B.	Meets individual student needs (18)
VI.	COMMUNICATES WITH OTHERS		
		A.	Uses standard English when speaking (19)
		B.	Uses standard English when writing (20)
		C.	Provides clear instructions and explanations (21)
VII.	EVOKES DESIRED RESPONSES FROM STUDENTS		
		A.	Gains students' attention (22)
		B.	Provides stimuli or cues (23)
		C.	Obtains responses for evaluation (24)
VIII.	PROMOTES BEHAVIORAL CHANGE		
		A.	Provides motivating activities (25)
		B.	Records responses (26)
		C.	Discriminates between correct/incorrect responses (27)
IX.	PROVIDES A POSITIVE LEARNING ATMOSPHERE		
		A.	Maintains physical environment (28)
		B.	Maintains on-task behavior (29)
		C.	Maintains effective working relationships (30)
		D.	Reinforces responses of students (31)
X.	MEETS PROFESSIONAL OBLIGATIONS AND RESPONSIBILITIES		
		A.	Demonstrates independent work habits (32)
		B.	Demonstrates professional conduct (33)
		C.	Demonstrates ethical behavior (34)
XI.	ENGAGES IN SELF-IMPROVEMENT		
		A.	Determines professional needs (35)
		B.	Participates in professional growth (36)

a.	b.	c.	d.

a.	b.	c.	d.

Project sect

APPENDIX B

Special Education Competencies for Teachers Project / 2268 Adams Drive, N. W. / Atlanta, Georgia 30318 / (404) 352-2697

Josef F. Stulac II, Director

January 31, 1979

Dear Colleague:

We are asking your assistance in obtaining information about the competencies of speech and language pathologists (SLPs). The State Department of Education is planning to base the certification of SLPs on a competency-based performance assessment and your input is necessary in setting the standards for the profession.

The state-wide SLP committee, comprised of the members listed below, has developed a list of competencies which we are asking you to rate in this survey. These skills and behaviors were obtained from other existing instruments used to evaluate the performance of SLPs. All of the competencies are not necessarily considered essential to the performance of SLPs in Georgia. These essential competencies will be field-tested for validation and eventually used for the certification of SLPs.

We realize that you are busy and that this questionnaire is lengthy, but we hope that you can devote approximately one hour of your time to provide this important information. We are depending on your experience and knowledge to successfully implement competency-based assessment of SLPs in Georgia. The certification of your future colleagues and the overall quality of the profession will be influenced by your input.

All responses to this questionnaire will be confidential. We are asking for your name only so that we can determine who has not responded; your name will not be associated with your responses. As soon as you have completed the survey, please refold the packet with our address showing and mail it back promptly. If you have any questions about this survey, feel free to call me at (404) 352-2697. Thank you for your assistance in this project.

Sincerely,

Josef F. Stulac II

STATE SLP COMMITTEE:

1. Ms. Pendy Bailey
   DeKalb County Schools
2. Ms. Margi Berbari
   Speech & Hearing Assoc.
3. Ms. Parthenia H. Franks
   Ga. State University
4. Dr. Joan Berryman
   University of Georgia
5. Dr. Ray Neal
   University of Georgia
6. Mr. Larry Weiner
   Metro-CESA
7. Ms. Juliana Williams
   Bibb County Schools
8. Ms. Shirley Jaegger
   Muscogee Co. Schools
9. Ms. Vicky Edwards
   Cobb County Schools
10. Mr. Charles Johnson
    Cherokee Co. Schools
11. Mr. A. W. Carter, Jr.
    Ware County Schools
12. Ms. Virginia Nixon
    State Dept. of Education

A Title IV-C Developmental Project Funded by the State Department of Education

INSTRUCTIONS

Each competency is to be evaluated on three dimensions: importance, frequency of use, and performance of Georgia SLPs. For each competency, circle the response which most accurately describes your opinion on each of the following questions.

IMPORTANCE: How important is this competency to the performance of an SLP?

3 essential for minimally competent performance
2 important but not absolutely necessary
1 not important

Choose "3" only for competencies which are absolutely essential for minimally competent performance.

USE: How often is this competency used?

3 frequently
2 sometimes
1 seldom

Be sure to consider frequency of use rather than importance when responding to this question since it is not unusual for some essential competencies to be used infrequently.

PERFORMANCE: How would you rate the performance of Georgia SLPs, in general, on this competency?

3 very good
2 acceptable
1 inadequate

Rate each competency, regardless of whether you consider it important. Leave an item blank if you do not know how to respond or if the scale does not apply.

DATA COLLECTION: Who should collect data to evaluate an SLP?

A. Peer teacher in SLP
B. Peer teacher in special education
C. Peer teacher in any field
D. Principal
E. Special education director
F. Special education coordinator or supervisor
G. Lead therapist
H. State Department of Education staff member
I. Trained data collector from your school system
J. Trained data collector from State Department of Education
K. Trained data collector from independent agency
L. University personnel
M. Parents
N. Students
O. Other (specify)

At the end of each category of competencies there is a question about who should collect data or evaluate an SLP. Use the above list to respond to these questions.

REMOVE THIS PAGE AND REFER TO IT WHEN RESPONDING

DIAGNOSIS COMPETENCIES

1. Implements screening and referral strategies to identify students with speech/language disorders.
   IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

2. Selects students according to case/client needs.
   IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

3. Sequences evaluation/diagnostic procedure according to case/client needs.
   IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

4. Prepares and organizes material prior to test administration.
   IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

5. Insures hearing/vision screening before evaluation.
   IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

6. Administers hearing screening tests.
   IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

7. Gets student's attention before presenting an evaluation stimulus.
   IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

8. Performs oral peripheral examinations.
   IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

9. Uses informal assessment procedures.
   IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

10. Administers a core of standardized speech/language tests.
    IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

11. Follows standardized instruction for test administration and scoring.
    IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

12. Transcribes articulation variances into phonetic symbols.
    IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

13. Interprets test scores.
    IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

14. Obtains diagnostic information from outside source(s).
    IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

15. Interprets the evaluation reports from other professionals.
    IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

16. Interprets audiological data.
    IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

DATA COLLECTION: Who should provide information or collect data for the evaluation of SLP competencies listed above in the area of diagnosis? Choose at least one and as many as five sources from the list on page two. Place the letters corresponding to your choices in order of preference in the spaces below (place your first choice in the first space).

1. _____ 2. _____ 3. _____ 4. _____ 5. _____

PRESCRIPTION COMPETENCIES

17. Makes referrals for further evaluation on basis of case needs.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

18. Assigns severity ratings to students identified as speech/language handicapped.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

19. Selects students for therapy on a priority basis.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

20. Utilizes information obtained through evaluation procedures to develop long term goals based on student needs.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

21. Develops a sequence of short term objectives to meet the long term goals.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

22. States goals and objectives in behavioral terms.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

23. Selects therapeutic methods based on identified needs.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

24. Uses criteria for assigning students to therapy groups.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

DATA COLLECTION: Who should provide information or collect data for the evaluation of SLP competencies listed above in the area of prescription? Choose at least one and as many as five sources from the list on page two. Place the letters corresponding to your choices in order of preference in the spaces below.

1. _____ 2. _____ 3. _____ 4. _____ 5. _____

PRESENTATION COMPETENCIES

25. Demonstrates ability to communicate the purpose of the program and objectives to the student.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

26. Presents clear instructions to students.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

27. Varies mode of presentation according to instructional goals and therapy setting.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

28. Demonstrates moment to moment adaptations of the therapy session.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

29. Can utilize alternative approaches to achieve therapy goals.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

30. Uses multisensory therapeutic approach when needed.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

31. Provides stimuli or cues to evoke a desired response.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

32. Models stimulus for students.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

33. Demonstrates the ability to work with all age levels represented in caseload.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

34. Adjusts the language level of verbal explanations to the language level of the student.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

35. Motivates students to work.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

36. Provides positive learning atmosphere.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

37. Develops effective working relationship with students.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

38. Maintains positive group peer interaction.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

39. Maintains social control.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

40. Utilizes materials/equipment to meet student needs.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

41. Incorporates classroom materials and activities into therapy.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

42. Provides opportunities for the student to use newly learned skills.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

43. Maintains physical environment conducive to the student's best efforts.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

44. Uses therapy time effectively to accomplish objectives or goals.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

DATA COLLECTION: Who should provide information or collect data for the evaluation of SLP competencies listed above in the area of presentation? Choose at least one and as many as five sources from the list on page two. Place the letters corresponding to your choices in order of preference in the spaces below.

1. _____ 2. _____ 3. _____ 4. _____ 5. _____

MONITORING COMPETENCIES

45. Insures punctuality and attendance of students.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

46. Maintains on-task behavior of students.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

47. Displays awareness of the behavior cues of students.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

48. Demonstrates ability to discriminate correct/incorrect student responses.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

49. Accurately records and analyzes student responses.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

50. Maintains a record-keeping system of the individual performance.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

51. Obtains sufficient responses to evaluate student's performance.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

52. Maintains ongoing evaluation during the remediation process.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

53. Evaluates student progress and revises the IEP as student needs indicate.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

DATA COLLECTION: Who should provide information or collect data for the evaluation of SLP competencies listed above in the area of monitoring? Choose at least one and as many as five sources from the list on page two. Place the letters corresponding to your choices in order of preference in the spaces below.

1. _____ 2. _____ 3. _____ 4. _____ 5. _____

FEEDBACK COMPETENCIES

54. Uses a variety of effective reinforcements and rewards.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

55. Shows positive reaction to student response.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

56. Provides qualitative feedback to students.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

57. Helps children cope with adverse reaction to speech and language problems from peers and others.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

58. Counsels parents in regard to the communication problem of the student.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

59. Counsels other teachers in regard to the communication problem of the student.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

DATA COLLECTION: Who should provide information or collect data for the evaluation of SLP competencies listed above in the area of feedback? Choose at least one and as many as five sources from the list on page two. Place the letters corresponding to your choice in order of preference in the spaces below.

1. _____ 2. _____ 3. _____ 4. _____ 5. _____

PROGRAM ADMINISTRATION COMPETENCIES

60. Informs parents of program services.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

61. Informs faculty of program services.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

62. Informs administration of program services.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

63. Informs community about speech and language problems.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

64. Implements current local, state, and federal regulations and procedures.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

65. Maintains a record-keeping system for school, county, and state records.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

66. Completes required forms.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

67. Operates within established timelines.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

68. Plans delivery system of speech/language services.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

69. Develops therapy schedule.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

70. Follows through on incoming referrals.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

71. Uses established criteria for termination of services.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

72. Maintains confidentiality of student records.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

73. Manages allotted program funds.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

74. Assesses program needs for materials and equipment.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

75. Attempts to provide adequate materials and equipment.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

76. Supervises paraprofessional activities.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

77. Trains paraprofessionals.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

DATA COLLECTION: Who should provide information or collect data for the evaluation of SLP competencies listed above in the area of program administration? Choose at least one and as many as five sources from the list on page two. Place the letters corresponding to your choices in order of preference in the spaces below.

1. _____ 2. _____ 3. _____ 4. _____ 5. _____

PROFESSIONAL ETHICS COMPETENCIES

78. Maintains relationships with community professionals.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

79. Participates cooperatively as a member of the school staff.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

80. Keeps abreast of current information.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

81. Uses standard English when writing.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

82. Uses standard English when speaking.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

83. Writes reports which are complete.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

84. Seeks to improve job performance.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

85. Accepts constructive criticism of professional performance.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

86. Can work independently.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

87. Completes required tasks.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

88. Adheres to work time schedule.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

89. Maintains professional appearance.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

DATA COLLECTION: Who should provide information or collect data for the evaluation of SLP competencies listed above in the area of professional ethics? Choose at least one and as many as five sources from the list on page two. Place the letters corresponding to your choices in order of preference in the spaces below.

1. _____ 2. _____ 3. _____ 4. _____ 5. _____

KNOWLEDGE COMPETENCIES

SPEECH SCIENCE

KNOWLEDGE OF:

90. Central nervous system.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

91. Principles of speech science.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

92. Anatomy and physiology (respiration, phonation, resonance, and articulation).
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

93. Normal and abnormal communication mechanism.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

SPEECH/LANGUAGE DISORDERS

KNOWLEDGE OF:

94. Therapeutic techniques.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

95. The effects of physical and mental handicaps on communication.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

96. Speech/language diagnostic techniques.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

97. Audiological procedures.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

98. Causative and maintaining factors of communication disorders.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

99. Comprehensive evaluation process.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

PROFESSIONAL

KNOWLEDGE OF:

100. Professional ethics.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

101. Local, state, and federal regulations and procedures.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

102. Minimum standards for therapeutic environment, materials, and equipment.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

103. Alternative delivery systems for speech/language services (i.e., block, itinerant, resource, etc.).
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

104. Allied professionals.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

105. Efficient use of paraprofessionals.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

HUMAN DEVELOPMENT

KNOWLEDGE OF:

106. Learning theory.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

107. Social and emotional development.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

108. Intellectual development.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

109. Development of motor and self-help skills.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

110. Speech and language development.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

111. Test construction and measurement theory.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

112. Current educational thought.
IMPORTANCE: 3 2 1 USE: 3 2 1 PERFORMANCE: 3 2 1

PLEASE DO NOT FORGET THE LAST PAGE

DEMOGRAPHIC INFORMATION

Name: _____

Name of school or employing agency: _____

Number of years of paid educational experience: _____

Position (check one of the following):

- ☐ SLP
- ☐ Special Education Director
- ☐ State Department Consultant
- ☐ Principal
- ☐ University Professor
- ☐ Other (specify) _____

If you are an SLP, which of the following describes your activities (check one)?

- ☐ Pathologist/Therapist
- ☐ Supervisor/Administrator
- ☐ Combination of the above

Write in your type and level of educational certificate (e.g. [S] [L] [P] [5] ; if not credentialed write [N] [O] [N] [E]

☐☐☐☐

We have attempted to make the list of competencies in this survey comprehensive. However, if we have omitted an essential competency or if you have any comments, please include them below (or on the next page).

Thank you for your cooperation in this project.

PROJECT SECT/SLP
2268 Adams Drive, N.W.
Atlanta, Georgia 30318

fold here

PROJECT SECT/SLP
2268 ADAMS DRIVE, N.W.
ATLANTA, GEORGIA 30318

APPENDIX C

SCALE I: IMPORTANCE BY POSITION

3=ESSENTIAL
2=IMPORTANT
1=NOT IMPORTANT

1. SLP
2. S.E. DIRECTOR
3. S.D.E. CONSULTANT
4. PRINCIPAL
5. UNIVERSITY
6. OTHER

* CROSSTABULATION OF * * * * * * * * * * * * * *

I001 BY POS

* PA

I001	POS 1	2	3	4	5	6	ROW TOTAL
1	1	0	0	0	0	0	1
	100.0	0.0	0.0	0.0	0.0	0.0	0.3
	0.4	0.0	0.0	0.0	0.0	0.0	
	0.3	0.0	0.0	0.0	0.0	0.0	
2	19	2	0	1	0	0	22
	86.4	9.1	0.0	4.5	0.0	0.0	5.8
	6.8	4.8	0.0	3.1	0.0	0.0	
	5.0	0.5	0.0	0.3	0.0	0.0	
3	261	40	2	31	4	19	357
	73.1	11.2	0.6	8.7	1.1	5.3	93.9
	92.9	95.2	100.0	96.9	100.0	100.0	
	68.7	10.5	0.5	8.2	1.1	5.0	
COLUMN TOTAL	281	42	2	32	4	19	380
	73.9	11.1	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 2.89537 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9838
CONTINGENCY COEFFICIENT = 0.08696

NUMBER OF MISSING OBSERVATIONS = 11

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * *
I002 BY POS
* PAG

I002	POS: COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
1	COUNT	0	0	0	1	0	0	1
	ROW PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.3
	COL PCT	0.0	0.0	0.0	3.2	0.0	0.0	
	TOT PCT	0.0	0.0	0.0	0.3	0.0	0.0	
2	COUNT	33	5	0	1	0	3	42
	ROW PCT	78.6	11.9	0.0	2.4	0.0	7.1	11.1
	COL PCT	11.7	11.9	0.0	3.2	0.0	16.7	
	TOT PCT	8.7	1.3	0.0	0.3	0.0	0.8	
3	COUNT	248	37	2	29	4	15	335
	ROW PCT	74.0	11.0	0.6	8.7	1.2	4.5	88.6
	COL PCT	88.3	88.1	100.0	93.5	100.0	83.3	
	TOT PCT	65.6	9.8	0.5	7.7	1.1	4.0	
COLUMN TOTAL		281	42	2	31	4	18	378
		74.3	11.1	0.5	8.2	1.1	4.8	100.0

RAW CHI SQUARE = 14.45492 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.1532
CONTINGENCY COEFFICIENT = 0.19192

NUMBER OF MISSING OBSERVATIONS = 13

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F *
I003 BY POS

I003	POS 1	2	3	4	5	6	ROW TOTAL
1	3	1	0	0	0	0	4
	75.0	25.0	0.0	0.0	0.0	0.0	1.1
	1.1	2.5	0.0	0.0	0.0	0.0	
	0.8	0.3	0.0	0.0	0.0	0.0	
2	54	5	2	6	2	0	69
	78.3	7.2	2.9	8.7	2.9	0.0	18.5
	19.5	12.5	100.0	20.0	50.0	0.0	
	14.5	1.3	0.5	1.6	0.5	0.0	
3	220	34	0	24	2	19	299
	73.6	11.4	0.0	8.0	0.7	6.4	80.4
	79.4	85.0	0.0	80.0	50.0	100.0	
	59.1	9.1	0.0	6.5	0.5	5.1	
COLUMN TOTAL	277	40	2	30	4	19	372
	74.5	10.8	0.5	8.1	1.1	5.1	100.0

RAW CHI SQUARE = 18.22964 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0512
CONTINGENCY COEFFICIENT = 0.21614

NUMBER OF MISSING OBSERVATIONS = 19

* CROSSTABULATION OF I004 BY POS * * * * * * * * * * * * * * * * PAG

I004	POS 1	2	3	4	5	6	ROW TOTAL
1	2	0	0	0	0	0	2
	100.0	0.0	0.0	0.0	0.0	0.0	0.5
	0.7	0.0	0.0	0.0	0.0	0.0	
	0.5	0.0	0.0	0.0	0.0	0.0	
	92	8	2	3	2	7	114
	80.7	7.0	1.8	2.6	1.8	6.1	30.2
	24.9	19.0	100.0	26.7	50.0	36.8	
	24.4	2.1	0.5	2.1	0.5	1.9	
	196	34	0	22	2	12	201
	71.3	13.0	0.0	8.4	0.8	6.5	69.2
	46.4	81.0	0.0	73.3	50.0	63.2	
	42.3	9.0	0.0	5.8	0.5	4.5	
COLUMN TOTAL	230 74.3	42 11.1	2 0.5	30 8.0	4 1.1	19 5.0	377 100.0

RAW CHI SQUARE = 13.31771 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.2064
CONTINGENCY COEFFICIENT = 0.18472

NUMBER OF MISSING OBSERVATIONS = 14

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * *

I005 BY POS

* PAC

I005	POS 1	2	3	4	5	6	ROW TOTAL
1	9	1	0	0	0	1	11
	81.8	9.1	0.0	0.0	0.0	9.1	2.9
	3.3	2.4	0.0	0.0	0.0	5.3	
	2.4	0.3	0.0	0.0	0.0	0.3	
2	105	8	0	11	2	3	129
	81.4	6.2	0.0	8.5	1.6	2.3	34.4
	38.0	19.0	0.0	34.4	50.0	15.8	
	28.0	2.1	0.0	2.9	0.5	0.8	
3	162	33	2	21	2	15	235
	68.9	14.0	0.9	8.9	0.9	6.4	62.7
	58.7	78.6	100.0	65.6	50.0	78.9	
	43.2	8.8	0.5	5.6	0.5	4.0	
COLUMN TOTAL	276	42	2	32	4	19	375
	73.6	11.2	0.5	8.5	1.1	5.1	100.0

RAW CHI SQUARE = 12.22307 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.2704
CONTINGENCY COEFFICIENT = 0.17767

NUMBER OF MISSING OBSERVATIONS = 16

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * *
I006 BY POS
* PAC

I006	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT	19	4	0	2	0	1	26
	ROW PCT	73.1	15.4	0.0	7.7	0.0	3.8	6.9
	COL PCT	6.8	9.5	0.0	6.7	0.0	5.3	
	TOT PCT	5.0	1.1	0.0	0.5	0.0	0.3	
2	COUNT	89	14	1	5	3	7	119
	ROW PCT	74.8	11.8	0.8	4.2	2.5	5.9	31.5
	COL PCT	31.7	33.3	50.0	16.7	75.0	36.8	
	TOT PCT	23.5	3.7	0.3	1.3	0.8	1.9	
3	COUNT	173	24	1	23	1	11	233
	ROW PCT	74.2	10.3	0.4	9.9	0.4	4.7	61.6
	COL PCT	61.6	57.1	50.0	76.7	25.0	57.9	
	TOT PCT	45.8	6.3	0.3	6.1	0.3	2.9	
COLUMN TOTAL		281	42	2	30	4	19	378
		74.3	11.1	0.5	7.9	1.1	5.0	100.0

RAW CHI SQUARE = 8.05315 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.6236
CONTINGENCY COEFFICIENT = 0.14443

NUMBER OF MISSING OBSERVATIONS = 13

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * *
I007 BY POS
* PA

I007	POS COUNT ROW PCT COL PCT TOT PCT	1	2	3	4	5	6	ROW TOTAL
	1	1 100.0 0.4 0.3	0 0.0 0.0 0.0	0 0.0 0.0 0.0	0 0.0 0.0 0.0	0 0.0 0.0 0.0	0 0.0 0.0 0.0	1 0.3
	2	22 71.0 7.8 5.8	4 12.9 9.5 1.1	0 0.0 0.0 0.0	4 12.9 12.5 1.1	0 0.0 0.0 0.0	1 3.2 5.3 0.3	31 8.2
	3	258 74.1 91.8 67.9	38 10.9 90.5 10.0	2 0.6 100.0 0.5	28 8.0 87.5 7.4	4 1.1 100.0 1.1	18 5.2 94.7 4.7	348 91.6
	COLUMN TOTAL	281 73.9	42 11.1	2 0.5	32 8.4	4 1.1	19 5.0	380 100.0

RAW CHI SQUARE = 2.04235 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.9960
CONTINGENCY COEFFICIENT = 0.07312

NUMBER OF MISSING OBSERVATIONS = 11

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * * * * *
I008 BY POS
* PA

I008	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT 1	0	0	1	0	0	2
	ROW PCT 50.0	0.0	0.0	50.0	0.0	0.0	0.5
	COL PCT 0.4	0.0	0.0	3.4	0.0	0.0	
	TOT PCT 0.3	0.0	0.0	0.3	0.0	0.0	
2	COUNT 59	13	0	7	0	4	83
	ROW PCT 71.1	15.7	0.0	8.4	0.0	4.8	22.4
	COL PCT 21.0	35.1	0.0	24.1	0.0	23.5	
	TOT PCT 15.9	3.5	0.0	1.9	0.0	1.1	
3	COUNT 221	24	2	21	4	13	285
	ROW PCT 77.5	8.4	0.7	7.4	1.4	4.6	77.0
	COL PCT 78.6	64.9	100.0	72.4	100.0	76.5	
	TOT PCT 59.7	6.5	0.5	5.7	1.1	3.5	
COLUMN TOTAL	281	37	2	29	4	17	370
	75.9	10.0	0.5	7.8	1.1	4.6	100.0

RAW CHI SQUARE = 10.64833 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.3856
CONTINGENCY COEFFICIENT = 0.16725

NUMBER OF MISSING OBSERVATIONS = 21

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * *
I009 BY POS
* PA

I009	POS 1	2	3	4	5	6	ROW TOTAL
1	1	2	0	0	0	0	3
	33.3	66.7	0.0	0.0	0.0	0.0	0.8
	0.4	4.9	0.0	0.0	0.0	0.0	
	0.3	0.5	0.0	0.0	0.0	0.0	
2	117	12	0	14	2	7	152
	77.0	7.9	0.0	9.2	1.3	4.6	40.2
	41.8	29.3	0.0	43.8	50.0	36.8	
	31.0	3.2	0.0	3.7	0.5	1.9	
3	162	27	2	18	2	12	223
	72.6	12.1	0.9	8.1	0.9	5.4	59.0
	57.9	65.9	100.0	56.3	50.0	63.2	
	42.9	7.1	0.5	4.8	0.5	3.2	
COLUMN TOTAL	280	41	2	32	4	19	378
	74.1	10.8	0.5	8.5	1.1	5.0	100.0

RAW CHI SQUARE = 13.29900 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.2074
CONTINGENCY COEFFICIENT = 0.18436

NUMBER OF MISSING OBSERVATIONS = 13

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * *
I010 BY POS
* PAG

I010	POS	1	2	3	4	5	6	ROW TOTAL
	1	4	0	0	2	0	0	6
		66.7	0.0	0.0	33.3	0.0	0.0	1.6
		1.4	0.0	0.0	6.5	0.0	0.0	
		1.1	0.0	0.0	0.5	0.0	0.0	
	2	67	7	0	4	0	6	84
		79.8	8.3	0.0	4.8	0.0	7.1	22.2
		23.8	16.7	0.0	12.9	0.0	33.3	
		17.7	1.9	0.0	1.1	0.0	1.6	
	3	210	35	2	25	4	12	288
		72.9	12.2	0.7	8.7	1.4	4.2	76.2
		74.7	83.3	100.0	80.6	100.0	66.7	
		55.6	9.3	0.5	6.6	1.1	3.2	
COLUMN TOTAL		281	42	2	31	4	18	378
		74.3	11.1	0.5	8.2	1.1	4.8	100.0

RAW CHI SQUARE = 11.27774 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.3363
CONTINGENCY COEFFICIENT = 0.17021

NUMBER OF MISSING OBSERVATIONS = 13

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * *
I011 BY POS

I011	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		2	0	0	0	0	0	2
		100.0	0.0	0.0	0.0	0.0	0.0	0.5
		0.7	0.0	0.0	0.0	0.0	0.0	
		0.5	0.0	0.0	0.0	0.0	0.0	
2		51	3	0	1	1	0	56
		91.1	5.4	0.0	1.8	1.8	0.0	14.9
		18.3	7.3	0.0	3.1	25.0	0.0	
		13.6	0.8	0.0	0.3	0.3	0.0	
3		226	38	2	31	3	17	317
		71.3	12.0	0.6	9.8	0.9	5.4	84.5
		81.0	92.7	100.0	96.9	75.0	100.0	
		60.3	10.1	0.5	8.3	0.8	4.5	
COLUMN TOTAL		279	41	2	32	4	17	375
		74.4	10.9	0.5	8.5	1.1	4.5	100.0

RAW CHI SQUARE = 12.36010 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.2617
CONTINGENCY COEFFICIENT = 0.17863

NUMBER OF MISSING OBSERVATIONS = 16

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * *
I012 BY POS
* PA

I012	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT	22	0	0	1	0	0	23
	ROW PCT	95.7	0.0	0.0	4.3	0.0	0.0	6.2
	COL PCT	7.8	0.0	0.0	3.3	0.0	0.0	
	TOT PCT	5.9	0.0	0.0	0.3	0.0	0.0	
2	COUNT	131	16	1	12	2	7	169
	ROW PCT	77.5	9.5	0.6	7.1	1.2	4.1	45.6
	COL PCT	46.6	41.0	50.0	40.0	50.0	46.7	
	TOT PCT	35.3	4.3	0.3	3.2	0.5	1.9	
3	COUNT	128	23	1	17	2	8	179
	ROW PCT	71.5	12.8	0.6	9.5	1.1	4.5	48.2
	COL PCT	45.6	59.0	50.0	56.7	50.0	53.3	
	TOT PCT	34.5	6.2	0.3	4.6	0.5	2.2	
	COLUMN TOTAL	281	39	2	30	4	15	371
		75.7	10.5	0.5	8.1	1.1	4.0	100.0

RAW CHI SQUARE = 7.67824 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.6602
CONTINGENCY COEFFICIENT = 0.14240

NUMBER OF MISSING OBSERVATIONS = 20

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * * *

I013 BY POS

* PAG

I013	POS 1	2	3	4	5	6	ROW TOTAL
1	0	1	0	0	0	0	1
	0.0	100.0	0.0	0.0	0.0	0.0	0.3
	0.0	2.4	0.0	0.0	0.0	0.0	
	0.0	0.3	0.0	0.0	0.0	0.0	
2	26	4	0	1	0	1	32
	81.3	12.5	0.0	3.1	0.0	3.1	8.4
	9.2	9.8	0.0	3.1	0.0	5.3	
	6.8	1.1	0.0	0.3	0.0	0.3	
3	256	36	2	31	4	18	347
	73.8	10.4	0.6	8.9	1.2	5.2	91.3
	90.8	87.8	100.0	96.9	100.0	94.7	
	67.4	9.5	0.5	8.2	1.1	4.7	
COLUMN TOTAL	282	41	2	32	4	19	380
	74.2	10.8	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 10.61125 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.3886
CONTINGENCY COEFFICIENT = 0.16482

NUMBER OF MISSING OBSERVATIONS = 11

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I014 BY POS
* P

I014 (COUNT / ROW PCT / COL PCT / TOT PCT)	POS 1	2	3	4	5	6	ROW TOTAL
1	2 28.6 0.7 0.5	5 71.4 12.2 1.3	0 0.0 0.0 0.0	0 0.0 0.0 0.0	0 0.0 0.0 0.0	0 0.0 0.0 0.0	7 1.9
2	135 74.2 48.6 35.9	20 11.0 48.8 5.3	1 0.5 50.0 0.3	15 8.2 46.9 4.0	4 2.2 100.0 1.1	7 3.8 36.8 1.9	182 48.4
3	141 75.4 50.7 37.5	16 8.6 39.0 4.3	1 0.5 50.0 0.3	17 9.1 53.1 4.5	0 0.0 0.0 0.0	12 6.4 63.2 3.2	187 49.7
COLUMN TOTAL	278 73.9	41 10.9	2 0.5	32 8.5	4 1.1	19 5.1	376 100.0

RAW CHI SQUARE = 33.02069 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0003
CONTINGENCY COEFFICIENT = 0.28413

NUMBER OF MISSING OBSERVATIONS = 15

92

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * * *
I015 BY POS
* PA

I015	POS COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
1		4	1	0	0	0	0	5
		80.0	20.0	0.0	0.0	0.0	0.0	1.3
		1.4	2.4	0.0	0.0	0.0	0.0	
		1.1	0.3	0.0	0.0	0.0	0.0	
2		105	17	0	10	1	6	139
		75.5	12.2	0.0	7.2	0.7	4.3	36.7
		37.5	40.5	0.0	31.3	25.0	31.6	
		27.7	4.5	0.0	2.6	0.3	1.6	
3		171	24	2	22	3	13	235
		72.8	10.2	0.9	9.4	1.3	5.5	62.0
		61.1	57.1	100.0	68.8	75.0	68.4	
		45.1	6.3	0.5	5.8	0.8	3.4	
COLUMN TOTAL		280	42	2	32	4	19	379
		73.9	11.1	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 3.76210 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9574
CONTINGENCY COEFFICIENT = 0.09914

NUMBER OF MISSING OBSERVATIONS = 12

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * *
I016 BY POS
* PA

I016	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
	1	5	1	0	0	0	0	6
		83.3	16.7	0.0	0.0	0.0	0.0	1.6
		1.6	2.4	0.0	0.0	0.0	0.0	
		1.3	0.3	0.0	0.0	0.0	0.0	
	2	112	13	1	12	3	5	146
		76.7	8.9	0.7	8.2	2.1	3.4	38.9
		40.0	31.7	50.0	40.0	75.0	27.8	
		29.9	3.5	0.3	3.2	0.8	1.3	
	3	163	27	1	18	1	13	243
		73.1	12.1	0.4	8.1	0.4	5.8	59.5
		58.2	65.9	50.0	60.0	25.0	72.2	
		43.5	7.2	0.3	4.8	0.3	3.5	
	COLUMN	280	41	2	30	4	18	375
	TOTAL	74.7	10.9	0.5	8.0	1.1	4.8	100.0

RAW CHI SQUARE = 5.39816 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.8630
CONTINGENCY COEFFICIENT = 0.11913

NUMBER OF MISSING OBSERVATIONS = 16

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * *
I017 BY POS
* PA

I017	POS: COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
1	COUNT	1	0	0	1	0	0	2
	ROW PCT	50.0	0.0	0.0	50.0	0.0	0.0	0.5
	COL PCT	0.4	0.0	0.0	3.1	0.0	0.0	
	TOT PCT	0.3	0.0	0.0	0.3	0.0	0.0	
2	COUNT	50	9	0	6	0	1	66
	ROW PCT	75.8	13.6	0.0	9.1	0.0	1.5	17.5
	COL PCT	17.9	21.4	0.0	18.8	0.0	5.3	
	TOT PCT	13.2	2.4	0.0	1.6	0.0	0.3	
3	COUNT	228	33	2	25	4	18	310
	ROW PCT	73.5	10.6	0.6	8.1	1.3	5.8	82.0
	COL PCT	81.7	78.6	100.0	78.1	100.0	94.7	
	TOT PCT	60.3	8.7	0.5	6.6	1.1	4.8	
COLUMN TOTAL		279	42	2	32	4	19	378
		73.8	11.1	0.5	8.5	1.1	5.0	100.0

RAW CHI SQUARE = 8.42772 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.5871
CONTINGENCY COEFFICIENT = 0.14768

NUMBER OF MISSING OBSERVATIONS = 13

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I018 BY POS
* PAG

I018	POS: COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
1	COUNT	7	2	0	1	1	0	11
	ROW PCT	63.6	18.2	0.0	9.1	9.1	0.0	2.9
	COL PCT	2.5	4.8	0.0	3.4	25.0	0.0	
	TOT PCT	1.9	0.5	0.0	0.3	0.3	0.0	
2	COUNT	109	12	1	2	1	7	132
	ROW PCT	82.6	9.1	0.8	1.5	0.8	5.3	35.2
	COL PCT	39.1	28.6	50.0	6.9	25.0	36.8	
	TOT PCT	29.1	3.2	0.3	0.5	0.3	1.9	
3	COUNT	163	28	1	26	2	12	232
	ROW PCT	70.3	12.1	0.4	11.2	0.9	5.2	61.9
	COL PCT	58.4	66.7	50.0	89.7	50.0	63.2	
	TOT PCT	43.5	7.5	0.3	6.9	0.5	3.2	
COLUMN TOTAL		279	42	2	29	4	19	375
		74.4	11.2	0.5	7.7	1.1	5.1	100.0

RAW CHI SQUARE = 20.95213 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0214
CONTINGENCY COEFFICIENT = 0.23003

NUMBER OF MISSING OBSERVATIONS = 16

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * * *
I019 BY POS
* PAG

I019	POS 1	2	3	4	5	6	ROW TOTAL
1	2	0	0	0	0	0	2
	100.0	0.0	0.0	0.0	0.0	0.0	0.5
	0.7	0.0	0.0	0.0	0.0	0.0	
	0.5	0.0	0.0	0.0	0.0	0.0	
2	51	5	0	2	1	2	61
	83.6	8.2	0.0	3.3	1.6	3.3	16.3
	18.4	12.2	0.0	6.3	25.0	10.5	
	13.6	1.3	0.0	0.5	0.3	0.5	
3	224	36	2	30	3	17	312
	71.8	11.5	0.6	9.6	1.0	5.4	83.2
	80.9	87.8	100.0	93.8	75.0	89.5	
	59.7	9.6	0.5	8.0	0.8	4.5	
COLUMN TOTAL	277	41	2	32	4	19	375
	73.9	10.9	0.5	8.5	1.1	5.1	100.0

RAW CHI SQUARE = 5.68431 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.8411
CONTINGENCY COEFFICIENT = 0.12220

NUMBER OF MISSING OBSERVATIONS = 16

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * *
I020 BY POS
* PAG

I020	POS COUNT ROW PCT COL PCT TOT PCT	1	2	3	4	5	6	ROW TOTAL
2		15	6	0	1	1	1	24
		62.5	25.0	0.0	4.2	4.2	4.2	6.3
		5.4	14.3	0.0	3.1	25.0	5.3	
		4.0	1.6	0.0	0.3	0.3	0.3	
3		265	36	2	31	3	18	355
		74.6	10.1	0.6	8.7	0.8	5.1	93.7
		94.6	85.7	100.0	96.9	75.0	94.7	
		69.9	9.5	0.5	8.2	0.8	4.7	
COLUMN TOTAL		280	42	2	32	4	19	379
		73.9	11.1	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 8.00490 WITH 5 DEGREES OF FREEDOM, SIGNIFICANCE = 0.1560
CONTINGENCY COEFFICIENT = 0.14382

NUMBER OF MISSING OBSERVATIONS = 12

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
I021 BY POS
* PA

I021	POS 1	2	3	4	5	6	ROW TOTAL
2 COUNT	21	4	0	4	0	1	30
ROW PCT	70.0	13.3	0.0	13.3	0.0	3.3	7.9
COL PCT	7.5	9.5	0.0	12.5	0.0	5.3	
TOT PCT	5.6	1.1	0.0	1.1	0.0	0.3	
3 COUNT	258	38	2	28	4	18	348
ROW PCT	74.1	10.9	0.6	8.0	1.1	5.2	92.1
COL PCT	92.5	90.5	100.0	87.5	100.0	94.7	
TOT PCT	68.3	10.1	0.5	7.4	1.1	4.8	
COLUMN TOTAL	279	42	2	32	4	19	378
	73.8	11.1	0.5	8.5	1.1	5.0	100.0

RAW CHI SQUARE = 1.82405 WITH 5 DEGREES OF FREEDOM, SIGNIFICANCE = 0.8729
CONTINGENCY COEFFICIENT = 0.06930

NUMBER OF MISSING OBSERVATIONS = 13

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * *
I022 BY POS
* PA

I022	POS COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
1		10	1	0	2	0	0	13
		76.9	7.7	0.0	15.4	0.0	0.0	3.5
		3.6	2.4	0.0	6.5	0.0	0.0	
		2.7	0.3	0.0	0.5	0.0	0.0	
2		112	12	1	5	1	6	137
		81.8	8.8	0.7	3.6	0.7	4.4	36.4
		40.3	29.6	50.0	16.1	25.0	31.6	
		29.8	3.2	0.3	1.3	0.3	1.6	
3		156	29	1	24	3	13	226
		69.0	12.8	0.4	10.6	1.3	5.8	60.1
		56.1	69.0	50.0	77.4	75.0	68.4	
		41.5	7.7	0.3	6.4	0.8	3.5	
COLUMN TOTAL		278	42	2	31	4	19	376
		73.9	11.2	0.5	8.2	1.1	5.1	100.0

RAW CHI SQUARE = 10.78711 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.3743
CONTINGENCY COEFFICIENT = 0.16700

NUMBER OF MISSING OBSERVATIONS = 15

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

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I023 BY POS
* PAG

I023	POS (COUNT / ROW PCT / COL PCT / TOT PCT)	1	2	3	4	5	6	ROW TOTAL
1	COUNT	0	1	0	0	0	0	1
	ROW PCT	0.0	100.0	0.0	0.0	0.0	0.0	0.3
	COL PCT	0.0	2.4	0.0	0.0	0.0	0.0	
	TOT PCT	0.0	0.3	0.0	0.0	0.0	0.0	
2	COUNT	16	7	0	1	0	0	24
	ROW PCT	66.7	29.2	0.0	4.2	0.0	0.0	6.3
	COL PCT	5.7	16.7	0.0	3.1	0.0	0.0	
	TOT PCT	4.2	1.8	0.0	0.3	0.0	0.0	
3	COUNT	266	34	2	31	4	19	356
	ROW PCT	74.7	9.6	0.6	8.7	1.1	5.3	93.4
	COL PCT	94.3	81.0	100.0	96.9	100.0	100.0	
	TOT PCT	69.8	8.9	0.5	8.1	1.0	5.0	
COLUMN TOTAL		282	42	2	32	4	19	381
		74.0	11.0	0.5	8.4	1.0	5.0	100.0

RAW CHI SQUARE = 18.37981 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0489
CONTINGENCY COEFFICIENT = 0.21452

NUMBER OF MISSING OBSERVATIONS = 10

* CROSSTABULATION OF *

I024 BY POS

* PAG

I024	POS COUNT ROW PCT COL PCT TOT PCT	1	2	3	4	5	6	ROW TOTAL
1		3	1	0	0	0	0	4
		75.0	25.0	0.0	0.0	0.0	0.0	1.1
		1.1	2.4	0.0	0.0	0.0	0.0	
		0.8	0.3	0.0	0.0	0.0	0.0	
2		99	11	0	6	1	4	121
		81.8	9.1	0.0	5.0	0.8	3.3	31.9
		35.4	26.2	0.0	18.8	25.0	21.1	
		26.1	2.9	0.0	1.6	0.3	1.1	
3		178	30	2	26	3	15	254
		70.1	11.8	0.8	10.2	1.2	5.9	67.0
		63.6	71.4	100.0	81.3	75.0	78.9	
		47.0	7.9	0.5	6.9	0.8	4.0	
COLUMN TOTAL		280 73.9	42 11.1	2 0.5	32 8.4	4 1.1	19 5.0	379 100.0

RAW CHI SQUARE = 8.26052 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6034
CONTINGENCY COEFFICIENT = 0.14605

NUMBER OF MISSING OBSERVATIONS = 12

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * *
I025 BY POS
* PA

I025 \ POS	1	2	3	4	5	6	ROW TOTAL
1	1	0	0	1	0	0	2
	50.0	0.0	0.0	50.0	0.0	0.0	0.5
	0.4	0.0	0.0	3.2	0.0	0.0	
	0.3	0.0	0.0	0.3	0.0	0.0	
2	80	5	1	10	2	5	103
	77.7	4.9	1.0	9.7	1.9	4.9	27.2
	28.4	12.5	50.0	32.3	50.0	26.3	
	21.2	1.3	0.3	2.6	0.5	1.3	
3	201	35	1	20	2	14	273
	73.6	12.8	0.4	7.3	0.7	5.1	72.2
	71.3	87.5	50.0	64.5	50.0	73.7	
	53.2	9.3	0.3	5.3	0.5	3.7	
COLUMN TOTAL	282	40	2	31	4	19	378
	74.6	10.6	0.5	8.2	1.1	5.0	100.0

RAW CHI SQUARE = 11.51974 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.3185
CONTINGENCY COEFFICIENT = 0.17197

NUMBER OF MISSING OBSERVATIONS = 13

I026	POS 1	2	3	4	5	6	ROW TOTAL
2 COUNT	19	2	0	4	0	0	25
ROW PCT	76.0	8.0	0.0	16.0	0.0	0.0	6.6
COL PCT	6.7	4.9	0.0	12.9	0.0	0.0	
TOT PCT	5.0	0.5	0.0	1.1	0.0	0.0	
3 COUNT	263	39	2	27	4	19	354
ROW PCT	74.3	11.0	0.6	7.6	1.1	5.4	93.4
COL PCT	93.3	95.1	100.0	87.1	100.0	100.0	
TOT PCT	69.4	10.3	0.5	7.1	1.1	5.0	
COLUMN TOTAL	282	41	2	31	4	19	379
	74.4	10.8	0.5	8.2	1.1	5.0	100.0

RAW CHI SQUARE = 3.97253 WITH 5 DEGREES OF FREEDOM, SIGNIFICANCE = 0.5534
CONTINGENCY COEFFICIENT = 0.10185

NUMBER OF MISSING OBSERVATIONS = 12

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I027 BY POS
* PAG

I027	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT	1	0	0	0	0	0	1
	ROW PCT	100.0	0.0	0.0	0.0	0.0	0.0	0.3
	COL PCT	0.4	0.0	0.0	0.0	0.0	0.0	
	TOT PCT	0.3	0.0	0.0	0.0	0.0	0.0	
2	COUNT	60	6	0	4	0	1	71
	ROW PCT	84.5	8.5	0.0	5.6	0.0	1.4	18.8
	COL PCT	21.4	14.6	0.0	12.9	0.0	5.3	
	TOT PCT	15.9	1.6	0.0	1.1	0.0	0.3	
3	COUNT	220	35	2	27	4	18	306
	ROW PCT	71.9	11.4	0.7	8.8	1.3	5.9	81.0
	COL PCT	78.3	85.4	100.0	87.1	100.0	94.7	
	TOT PCT	58.2	9.3	0.5	7.1	1.1	4.8	
COLUMN TOTAL		281	41	2	31	4	19	378
		74.3	10.8	0.5	8.2	1.1	5.0	100.0

RAW CHI SQUARE = 6.45885 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.7754
CONTINGENCY COEFFICIENT = 0.12961

NUMBER OF MISSING OBSERVATIONS = 13

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I028 BY POS
* PA

I028	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT	2	1	0	0	0	0	3
	ROW PCT	66.7	33.3	0.0	0.0	0.0	0.0	0.8
	COL PCT	0.7	2.5	0.0	0.0	0.0	0.0	
	TOT PCT	0.5	0.3	0.0	0.0	0.0	0.0	
2	COUNT	75	9	0	7	1	2	94
	ROW PCT	79.8	9.6	0.0	7.4	1.1	2.1	25.2
	COL PCT	27.1	22.5	0.0	22.6	25.0	10.5	
	TOT PCT	20.1	2.4	0.0	1.9	0.3	0.5	
3	COUNT	200	30	2	24	3	17	276
	ROW PCT	72.5	10.9	0.7	8.7	1.1	6.2	74.0
	COL PCT	72.2	75.0	100.0	77.4	75.0	89.5	
	TOT PCT	53.6	8.0	0.5	6.4	0.8	4.6	
COLUMN TOTAL		277	40	2	31	4	19	373
		74.3	10.7	0.5	8.3	1.1	5.1	100.0

RAW CHI SQUARE = 5.59147 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.8483
CONTINGENCY COEFFICIENT = 0.12153

NUMBER OF MISSING OBSERVATIONS = 18

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * *
I029 BY POS
* PA

COUNT / ROW PCT / COL PCT / TOT PCT

I029 \ POS		1	2	3	4	5	6	ROW TOTAL
2	COUNT	41	8	0	4	0	2	55
	ROW PCT	74.5	14.5	0.0	7.3	0.0	3.6	14.5
	COL PCT	14.5	19.5	0.0	12.9	0.0	10.5	
	TOT PCT	10.8	2.1	0.0	1.1	0.0	0.5	
3	COUNT	241	33	2	27	4	17	324
	ROW PCT	74.4	10.2	0.6	8.3	1.2	5.2	85.5
	COL PCT	85.5	80.5	100.0	87.1	100.0	89.5	
	TOT PCT	63.6	8.7	0.5	7.1	1.1	4.5	
COLUMN TOTAL		282	41	2	31	4	19	379
		74.4	10.8	0.5	8.2	1.1	5.0	100.0

RAW CHI SQUARE = 2.15295 WITH 5 DEGREES OF FREEDOM. SIGNIFICANCE = 0.8276
CONTINGENCY COEFFICIENT = 0.07516

NUMBER OF MISSING OBSERVATIONS = 12

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I030 BY POS
* PAG

I030	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
	1	2	2	0	0	0	0	4
		50.0	50.0	0.0	0.0	0.0	0.0	1.1
		0.7	4.9	0.0	0.0	0.0	0.0	
		0.5	0.5	0.0	0.0	0.0	0.0	
	2	65	3	0	10	2	1	81
		80.2	3.7	0.0	12.3	2.5	1.2	21.5
		23.1	7.3	0.0	33.3	50.0	5.6	
		17.3	0.8	0.0	2.7	0.5	0.3	
	3	214	36	2	20	2	17	291
		73.5	12.4	0.7	6.9	0.7	5.8	77.4
		76.2	87.8	100.0	66.7	50.0	94.4	
		56.9	9.6	0.5	5.3	0.5	4.5	
	COLUMN TOTAL	281	41	2	30	4	18	376
		74.7	10.9	0.5	8.0	1.1	4.8	100.0

RAW CHI SQUARE = 18.96756 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0407
CONTINGENCY COEFFICIENT = 0.21914

NUMBER OF MISSING OBSERVATIONS = 15

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * *

I031 BY POS

* PAG

I031	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT	1	2	0	0	0	0	3
	ROW PCT	33.3	66.7	0.0	0.0	0.0	0.0	0.8
	COL PCT	0.4	4.9	0.0	0.0	0.0	0.0	
	TOT PCT	0.3	0.5	0.0	0.0	0.0	0.0	
2	COUNT	39	5	0	8	0	3	55
	ROW PCT	70.9	9.1	0.0	14.5	0.0	5.5	14.6
	COL PCT	13.8	12.2	0.0	25.8	0.0	16.7	
	TOT PCT	10.3	1.3	0.0	2.1	0.0	0.8	
3	COUNT	242	34	2	23	4	15	320
	ROW PCT	75.6	10.6	0.6	7.2	1.3	4.7	84.7
	COL PCT	85.8	82.9	100.0	74.2	100.0	83.3	
	TOT PCT	64.0	9.0	0.5	6.1	1.1	4.0	
COLUMN TOTAL		282	41	2	31	4	18	378
		74.6	10.8	0.5	8.2	1.1	4.8	100.0

RAW CHI SQUARE = 14.25494 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.1617
CONTINGENCY COEFFICIENT = 0.19063

NUMBER OF MISSING OBSERVATIONS = 13

* CROSSTABULATION OF *
I032 BY POS
* PA

I032 \ POS	1	2	3	4	5	6	ROW TOTAL
1	4	0	0	1	0	0	5
	80.0	0.0	0.0	20.0	0.0	0.0	1.3
	1.4	0.0	0.0	3.2	0.0	0.0	
	1.1	0.0	0.0	0.3	0.0	0.0	
2	35	7	0	8	0	2	52
	67.3	13.5	0.0	15.4	0.0	3.8	13.8
	12.4	16.7	0.0	25.8	0.0	11.8	
	9.3	1.9	0.0	2.1	0.0	0.5	
3	243	35	2	22	4	15	321
	75.7	10.9	0.6	6.9	1.2	4.7	84.9
	86.2	83.3	100.0	71.0	100.0	88.2	
	64.3	9.3	0.5	5.3	1.1	4.0	
COLUMN TOTAL	282	42	2	31	4	17	378
	74.6	11.1	0.5	8.2	1.1	4.5	100.0

RAW CHI SQUARE = 7.46166 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6813
CONTINGENCY COEFFICIENT = 0.13913

NUMBER OF MISSING OBSERVATIONS = 13

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * * * * *

I033 BY POS

I033 \ POS	1	2	3	4	5	6	ROW TOTAL
1	2	1	0	1	0	0	4
	50.0	25.0	0.0	25.0	0.0	0.0	1.0
	0.7	2.4	0.0	3.1	0.0	0.0	
	0.5	0.3	0.0	0.3	0.0	0.0	
2	38	7	0	2	2	2	51
	74.5	13.7	0.0	3.9	3.9	3.9	13.4
	13.5	16.7	0.0	6.3	50.0	10.5	
	10.0	1.8	0.0	0.5	0.5	0.5	
3	242	34	2	29	2	17	326
	74.2	10.4	0.6	8.9	0.6	5.2	85.6
	85.8	81.0	100.0	90.6	50.0	89.5	
	63.5	8.9	0.5	7.6	0.5	4.5	
COLUMN TOTAL	282	42	2	32	4	19	381
	74.0	11.0	0.5	8.4	1.0	5.0	100.0

RAW CHI SQUARE = 9.41817 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.4929
CONTINGENCY COEFFICIENT = 0.15532

NUMBER OF MISSING OBSERVATIONS = 10

* CROSSTABULATION OF * * * * * * * * * * * * * * *
I034 BY POS
* PA

I034	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT 0	1	0	0	0	0	1
	ROW PCT 0.0	100.0	0.0	0.0	0.0	0.0	0.3
	COL PCT 0.0	2.4	0.0	0.0	0.0	0.0	
	TOT PCT 0.0	0.3	0.0	0.0	0.0	0.0	
2	COUNT 22	3	0	3	0	1	29
	ROW PCT 75.9	10.3	0.0	10.3	0.0	3.4	7.6
	COL PCT 7.8	7.1	0.0	9.4	0.0	5.6	
	TOT PCT 5.8	0.8	0.0	0.8	0.0	0.3	
3	COUNT 261	38	2	29	4	17	351
	ROW PCT 74.4	10.8	0.6	8.3	1.1	4.8	92.1
	COL PCT 92.2	90.5	100.0	90.6	100.0	94.4	
	TOT PCT 68.5	10.0	0.5	7.6	1.0	4.5	
COLUMN TOTAL	283	42	2	32	4	18	381
	74.3	11.0	0.5	8.4	1.0	4.7	100.0

RAW CHI SQUARE = 8.85216 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.5462
CONTINGENCY COEFFICIENT = 0.15069

NUMBER OF MISSING OBSERVATIONS = 10

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I035 BY POS
* PAG

I035	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	POS 2	POS 3	POS 4	POS 5	POS 6	ROW TOTAL
1	COUNT	1	0	0	1	1	0	3
	ROW PCT	33.3	0.0	0.0	33.3	33.3	0.0	0.8
	COL PCT	0.4	0.0	0.0	3.1	25.0	0.0	
	TOT PCT	0.3	0.0	0.0	0.3	0.3	0.0	
2	COUNT	41	5	0	5	0	1	52
	ROW PCT	78.8	9.6	0.0	9.6	0.0	1.9	13.7
	COL PCT	14.6	11.9	0.0	15.6	0.0	5.3	
	TOT PCT	10.8	1.3	0.0	1.3	0.0	0.3	
3	COUNT	238	37	2	26	3	18	324
	ROW PCT	73.5	11.4	0.6	8.0	0.9	5.6	85.5
	COL PCT	85.0	88.1	100.0	81.3	75.0	94.7	
	TOT PCT	62.8	9.8	0.5	6.9	0.8	4.7	
COLUMN TOTAL		280	42	2	32	4	19	379
		73.9	11.1	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 75.55449 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0001
CONTINGENCY COEFFICIENT = 0.29286

NUMBER OF MISSING OBSERVATIONS = 12

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * *
I036 BY POS
* PA

	POS							
	COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
I036								
1		1	0	0	0	0	0	1
		100.0	0.0	0.0	0.0	0.0	0.0	0.3
		0.4	0.0	0.0	0.0	0.0	0.0	
		0.3	0.0	0.0	0.0	0.0	0.0	
2		38	4	0	3	1	2	48
		79.2	8.3	0.0	6.3	2.1	4.2	12.7
		13.5	9.8	0.0	9.7	25.0	10.5	
		10.0	1.1	0.0	0.8	0.3	0.5	
3		243	37	2	28	3	17	330
		73.6	11.2	0.6	8.5	0.9	5.2	87.1
		86.2	90.2	100.0	90.3	75.0	89.5	
		64.1	9.8	0.5	7.4	0.8	4.5	
COLUMN TOTAL		282	41	2	31	4	19	379
		74.4	10.8	0.5	8.2	1.1	5.0	100.0

RAW CHI SQUARE = 2.01425 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9962
CONTINGENCY COEFFICIENT = 0.07271

NUMBER OF MISSING OBSERVATIONS = 12

136

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * *
I037 BY POS
* PA

I037	POS COUNT ROW PCT COL PCT TOT PCT	1	2	3	4	5	6	ROW TOTAL
2		30	4	0	4	1	0	39
		76.9	10.3	0.0	10.3	2.6	0.0	10.2
		10.6	9.5	0.0	12.5	25.0	0.0	
		7.9	1.0	0.0	1.0	0.3	0.0	
3		252	38	2	28	3	19	342
		73.7	11.1	0.6	8.2	0.9	5.6	89.8
		89.4	90.5	100.0	87.5	75.0	100.0	
		66.1	10.0	0.5	7.3	0.8	5.0	
COLUMN TOTAL		282 74.0	42 11.0	2 0.5	32 8.4	4 1.0	19 5.0	381 100.0

RAW CHI SQUARE = 3.59491 WITH 5 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6091
CONTINGENCY COEFFICIENT = 0.09668

NUMBER OF MISSING OBSERVATIONS = 10

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * *
I038 BY POS
* PAG

I038	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT	3	1	0	0	0	0	4
	ROW PCT	75.0	25.0	0.0	0.0	0.0	0.0	1.1
	COL PCT	1.1	2.4	0.0	0.0	0.0	0.0	
	TOT PCT	0.8	0.3	0.0	0.0	0.0	0.0	
2	COUNT	94	12	0	8	3	3	120
	ROW PCT	78.3	10.0	0.0	6.7	2.5	2.5	31.7
	COL PCT	33.7	28.6	0.0	25.0	75.0	15.8	
	TOT PCT	24.9	3.2	0.0	2.1	0.8	0.8	
3	COUNT	182	29	2	24	1	16	254
	ROW PCT	71.7	11.4	0.8	9.4	0.4	6.3	67.2
	COL PCT	65.2	69.0	100.0	75.0	25.0	84.2	
	TOT PCT	48.1	7.7	0.5	6.3	0.3	4.2	
	COLUMN TOTAL	279	42	2	32	4	19	378
		73.8	11.1	0.5	8.5	1.1	5.0	100.0

RAW CHI SQUARE = 9.40947 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.4937
CONTINGENCY COEFFICIENT = 0.15585

NUMBER OF MISSING OBSERVATIONS = 13

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * *
I039 BY POS
* PAG

I039	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
	1	7	2	0	0	0	0	9
		77.8	22.2	0.0	0.0	0.0	0.0	2.4
		2.5	4.8	0.0	0.0	0.0	0.0	
		1.9	0.5	0.0	0.0	0.0	0.0	
	2	71	14	0	7	0	6	98
		72.4	14.3	0.0	7.1	0.0	6.1	26.1
		25.6	33.3	0.0	22.6	0.0	31.6	
		18.9	3.7	0.0	1.9	0.0	1.6	
	3	199	26	2	24	4	13	268
		74.3	9.7	0.7	9.0	1.5	4.9	71.5
		71.8	61.9	100.0	77.4	100.0	68.4	
		53.1	6.9	0.5	6.4	1.1	3.5	
	COLUMN TOTAL	277	42	2	31	4	19	375
		73.9	11.2	0.5	8.3	1.1	5.1	100.0

RAW CHI SQUARE = 6.53666 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.7683
CONTINGENCY COEFFICIENT = 0.13089

NUMBER OF MISSING OBSERVATIONS = 16

143

* CROSSTABULATION OF *

I040 BY POS

* PA

I040	POS 1	2	3	4	5	6	ROW TOTAL
1	1	0	0	0	0	0	1
	100.0	0.0	0.0	0.0	0.0	0.0	0.3
	0.4	0.0	0.0	0.0	0.0	0.0	
	0.3	0.0	0.0	0.0	0.0	0.0	
2	46	6	0	4	1	3	60
	76.7	10.0	0.0	6.7	1.7	5.0	15.7
	16.3	14.3	0.0	12.5	33.3	15.8	
	12.1	1.6	0.0	1.0	0.3	0.8	
3	236	36	2	28	2	16	320
	73.8	11.3	0.6	8.8	0.6	5.0	84.0
	83.4	85.7	100.0	87.5	66.7	84.2	
	61.9	9.4	0.5	7.3	0.5	4.2	
COLUMN TOTAL	283	42	2	32	3	19	381
	74.3	11.0	0.5	8.4	0.8	5.0	100.0

RAW CHI SQUARE = 1.81004 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9976
CONTINGENCY COEFFICIENT = 0.06876

NUMBER OF MISSING OBSERVATIONS = 10

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
I041 BY POS
* PA

	POS							
	COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
I041								
1		20	2	0	1	0	0	23
		87.0	8.7	0.0	4.3	0.0	0.0	6.0
		7.1	4.8	0.0	3.1	0.0	0.0	
		5.2	0.5	0.0	0.3	0.0	0.0	
2		189	19	1	11	4	6	230
		82.2	8.3	0.4	4.3	1.7	2.6	60.4
		67.0	45.2	50.0	34.4	100.0	31.6	
		49.6	5.0	0.3	2.9	1.0	1.6	
3		73	21	1	20	0	13	128
		57.0	16.4	0.8	15.6	0.0	10.2	33.6
		25.9	50.0	50.0	62.5	0.0	68.4	
		19.2	5.5	0.3	5.2	0.0	3.4	
COLUMN TOTAL		282	42	2	32	4	19	381
		74.0	11.0	0.5	8.4	1.0	5.0	100.0

RAW CHI SQUARE = 38.19244 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0000
CONTINGENCY COEFFICIENT = 0.30184

NUMBER OF MISSING OBSERVATIONS = 10

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
I042 BY POS
* PA

I042	POS	1	2	3	4	5	6	ROW TOTAL
	COUNT							
	ROW PCT							
	COL PCT							
	TOT PCT							
2		67	7	0	5	0	3	82
		81.7	8.5	0.0	6.1	0.0	3.7	21.7
		23.9	16.7	0.0	16.1	0.0	15.8	
		17.7	1.9	0.0	1.3	0.0	0.8	
3		213	35	2	26	4	16	296
		72.0	11.8	0.7	8.8	1.4	5.4	78.3
		76.1	83.3	100.0	83.9	100.0	84.2	
		56.3	9.3	0.5	6.9	1.1	4.2	
COLUMN TOTAL		280	42	2	31	4	19	378
		74.1	11.1	0.5	8.2	1.1	5.0	100.0

RAW CHI SQUARE = 4.06532 WITH 5 DEGREES OF FREEDOM, SIGNIFICANCE = 0.5401
CONTINGENCY COEFFICIENT = 0.10315

NUMBER OF MISSING OBSERVATIONS = 13

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * *
I043 BY POS
* PAG

I043	POS 1	2	3	4	5	6	ROW TOTAL
1	7	2	0	0	0	0	9
	77.8	22.2	0.0	0.0	0.0	0.0	2.4
	2.5	4.8	0.0	0.0	0.0	0.0	
	1.9	0.5	0.0	0.0	0.0	0.0	
2	130	16	0	10	2	2	160
	81.3	10.0	0.0	6.3	1.3	1.3	42.8
	47.3	38.1	0.0	31.3	50.0	10.5	
	34.8	4.3	0.0	2.7	0.5	0.5	
3	138	24	2	22	2	17	205
	67.3	11.7	1.0	10.7	1.0	8.3	54.8
	50.2	57.1	100.0	68.8	50.0	89.5	
	36.9	6.4	0.5	5.9	0.5	4.5	
COLUMN TOTAL	275	42	2	32	4	19	374
	73.5	11.2	0.5	8.6	1.1	5.1	100.0

RAW CHI SQUARE = 17.57193 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0626
CONTINGENCY COEFFICIENT = 0.21194

NUMBER OF MISSING OBSERVATIONS = 17

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * * *

I044 BY POS

* PA

I044	POS COUNT ROW PCT COL PCT TOT PCT	1	2	3	4	5	6	ROW TOTAL
?		19	3	0	3	1	1	27
		70.4	11.1	0.0	11.1	3.7	3.7	7.1
		6.8	7.1	0.0	9.4	25.0	5.3	
		5.0	0.8	0.0	0.8	0.3	0.3	
2		262	39	2	29	3	18	353
		74.2	11.0	0.6	8.2	0.8	5.1	92.9
		93.2	92.9	100.0	90.6	75.0	94.7	
		68.9	10.3	0.5	7.6	0.8	4.7	
COLUMN TOTAL		281	42	2	32	4	19	380
		73.9	11.1	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 2.49141 WITH 5 DEGREES OF FREEDOM, SIGNIFICANCE = 0.7778
CONTINGENCY COEFFICIENT = 0.08071

NUMBER OF MISSING OBSERVATIONS = 11

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * * *
I045 BY POS
* PA

I045	POS 1	2	3	4	5	6	ROW TOTAL
1	7	2	0	1	1	0	11
	63.6	18.2	0.0	9.1	9.1	0.0	2.9
	2.5	4.8	0.0	3.1	25.0	0.0	
	1.8	0.5	0.0	0.3	0.3	0.0	
2	121	14	0	8	2	4	149
	81.2	9.4	0.0	5.4	1.3	2.7	39.3
	43.2	33.3	0.0	25.0	50.0	21.1	
	31.9	3.7	0.0	2.1	0.5	1.1	
3	152	26	2	23	1	15	219
	69.4	11.9	0.9	10.5	0.5	6.8	57.8
	54.3	61.9	100.0	71.9	25.0	78.9	
	40.1	6.9	0.5	6.1	0.3	4.0	
COLUMN TOTAL	280	42	2	32	4	19	379
	73.9	11.1	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 18.29826 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0501
CONTINGENCY COEFFICIENT = 0.21461

NUMBER OF MISSING OBSERVATIONS = 12

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * *
I046 BY POS
* PAG

I046	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
	1	1 50.0 0.4 0.3	1 50.0 2.4 0.3	0 0.0 0.0 0.0	0 0.0 0.0 0.0	0 0.0 0.0 0.0	0 0.0 0.0 0.0	2 0.5
	2	50 84.3 20.9 15.5	7 10.0 16.7 1.8	0 0.0 0.0 0.0	3 4.3 9.4 0.8	0 0.0 0.0 0.0	1 1.4 5.3 0.3	70 18.4
	3	222 71.8 78.7 58.3	34 11.0 81.0 8.9	2 0.6 100.0 0.5	29 9.4 90.6 7.6	4 1.3 100.0 1.0	18 5.8 94.7 4.7	309 81.1
	COLUMN TOTAL	282 74.0	42 11.0	2 0.5	32 8.4	4 1.0	19 5.0	381 100.0

RAW CHI SQUARE = 9.81939 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.4565
CONTINGENCY COEFFICIENT = 0.15851

NUMBER OF MISSING OBSERVATIONS = 10

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * * * * * * *
I047 BY POS
* PA

I047	POS	1	2	3	4	5	6	ROW TOTAL
	COUNT	2	1	0	0	0	0	3
	ROW PCT	66.7	33.3	0.0	0.0	0.0	0.0	0.8
	COL PCT	0.7	2.4	0.0	0.0	0.0	0.0	
	TOT PCT	0.5	0.3	0.0	0.0	0.0	0.0	
2	COUNT	90	12	0	5	1	3	111
	ROW PCT	81.1	10.8	0.0	4.5	0.9	2.7	29.9
	COL PCT	32.7	29.3	0.0	16.1	25.0	16.7	
	TOT PCT	24.3	3.2	0.0	1.3	0.3	0.8	
3	COUNT	183	28	2	26	3	15	257
	ROW PCT	71.2	10.9	0.8	10.1	1.2	5.8	69.3
	COL PCT	66.5	68.3	100.0	83.9	75.0	83.3	
	TOT PCT	49.3	7.5	0.5	7.0	0.8	4.0	
COLUMN TOTAL		275 74.1	41 11.1	2 0.5	31 8.4	4 1.1	18 4.9	371 100.0

RAW CHI SQUARE = 8.26327 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6031
CONTINGENCY COEFFICIENT = 0.14761

NUMBER OF MISSING OBSERVATIONS = 20

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I048 BY POS
* PAG

I045	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT	0	1	0	0	0	0	1
	ROW PCT	0.0	100.0	0.0	0.0	0.0	0.0	0.3
	COL PCT	0.0	2.4	0.0	0.0	0.0	0.0	
	TOT PCT	0.0	0.3	0.0	0.0	0.0	0.0	
2	COUNT	5	1	0	3	0	0	9
	ROW PCT	55.6	11.1	0.0	33.3	0.0	0.0	2.4
	COL PCT	1.8	2.4	0.0	9.4	0.0	0.0	
	TOT PCT	1.3	0.3	0.0	0.8	0.0	0.0	
3	COUNT	278	40	2	29	4	19	372
	ROW PCT	74.7	10.8	0.5	7.8	1.1	5.1	97.4
	COL PCT	98.2	95.2	100.0	90.6	100.0	100.0	
	TOT PCT	72.8	10.5	0.5	7.6	1.0	5.0	
COLUMN TOTAL		283	42	2	32	4	19	382
		74.1	11.0	0.5	8.4	1.0	5.0	100.0

RAW CHI SQUARE = 16.00131 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0996
CONTINGENCY COEFFICIENT = 0.20051

NUMBER OF MISSING OBSERVATIONS = 9

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * *
I049 BY POS
* PAG

I049	POS 1	2	3	4	5	6	ROW TOTAL
1	4	3	0	0	0	0	7
	57.1	42.9	0.0	0.0	0.0	0.0	1.8
	1.4	7.1	0.0	0.0	0.0	0.0	
	1.1	0.8	0.0	0.0	0.0	0.0	
2	61	4	0	2	1	0	68
	89.7	5.9	0.0	2.9	1.5	0.0	17.9
	21.7	9.5	0.0	6.3	25.0	0.0	
	16.1	1.1	0.0	0.5	0.3	0.0	
3	216	35	2	30	3	19	305
	70.8	11.5	0.7	9.8	1.0	6.2	80.3
	76.9	83.3	100.0	93.8	75.0	100.0	
	56.8	9.2	0.5	7.9	0.8	5.0	
COLUMN TOTAL	281	42	2	32	4	19	380
	73.9	11.1	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 20.15840 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0278
CONTINGENCY COEFFICIENT = 0.22445

NUMBER OF MISSING OBSERVATIONS = 11

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * * * *
I050 BY POS
* PAGE

I050	POS	1	2	3	4	5	6	ROW TOTAL
	1	6	2	0	0	0	0	8
		75.0	25.0	0.0	0.0	0.0	0.0	2.1
		2.1	4.8	0.0	0.0	0.0	0.0	
		1.6	0.5	0.0	0.0	0.0	0.0	
	2	73	3	0	4	0	0	80
		91.3	3.8	0.0	5.0	0.0	0.0	21.1
		26.0	7.1	0.0	12.9	0.0	0.0	
		19.3	0.8	0.0	1.1	0.0	0.0	
	3	202	37	2	27	4	19	291
		69.4	12.7	0.7	9.3	1.4	6.5	76.8
		71.9	88.1	100.0	87.1	100.0	100.0	
		53.3	9.8	0.5	7.1	1.1	5.0	
COLUMN TOTAL		281	42	2	31	4	19	379
		74.1	11.1	0.5	8.2	1.1	5.0	100.0

RAW CHI SQUARE = 19.64764 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0328
CONTINGENCY COEFFICIENT = 0.22200

NUMBER OF MISSING OBSERVATIONS = 12

* CROSSTABULATION OF * * * * * * * * * * * *
I051 BY POS
* PAG

I051	POS COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
2		34	5	0	3	0	0	42
		81.0	11.9	0.0	7.1	0.0	0.0	11.1
		12.1	11.9	0.0	9.4	0.0	0.0	
		8.9	1.3	0.0	0.8	0.0	0.0	
3		247	37	2	29	4	19	338
		73.1	10.9	0.6	8.6	1.2	5.6	88.9
		87.9	88.1	100.0	90.6	100.0	100.0	
		65.0	9.7	0.5	7.6	1.1	5.0	
COLUMN TOTAL		281	42	2	32	4	19	380
		73.9	11.1	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 3.54247 WITH 5 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6170
CONTINGENCY COEFFICIENT = 0.09611

NUMBER OF MISSING OBSERVATIONS = 11

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I052 BY POS
* PAG

I052	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT	0	1	0	0	0	0	1
	ROW PCT	0.0	100.0	0.0	0.0	0.0	0.0	0.3
	COL PCT	0.0	2.4	0.0	0.0	0.0	0.0	
	TOT PCT	0.0	0.3	0.0	0.0	0.0	0.0	
2	COUNT	40	5	0	1	0	1	47
	ROW PCT	85.1	10.6	0.0	2.1	0.0	2.1	12.3
	COL PCT	14.2	11.9	0.0	3.1	0.0	5.3	
	TOT PCT	10.5	1.3	0.0	0.3	0.0	0.3	
3	COUNT	242	36	2	31	4	18	333
	ROW PCT	72.7	10.8	0.6	9.3	1.2	5.4	87.4
	COL PCT	85.8	85.7	100.0	96.9	100.0	94.7	
	TOT PCT	63.5	9.4	0.5	8.1	1.0	4.7	
COLUMN TOTAL		282	42	2	32	4	19	381
		74.0	11.0	0.5	8.4	1.0	5.0	100.0

RAW CHI SQUARE = 13.21964 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.2116
CONTINGENCY COEFFICIENT = 0.18312

NUMBER OF MISSING OBSERVATIONS = 10

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * *
I053 BY POS
* PA

I053 (POS →) COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
1	3	1	0	0	0	0	4
	75.0	25.0	0.0	0.0	0.0	0.0	1.1
	1.1	2.4	0.0	0.0	0.0	0.0	
	0.8	0.3	0.0	0.0	0.0	0.0	
2	59	1	0	2	1	0	63
	93.7	1.6	0.0	3.2	1.6	0.0	16.6
	20.9	2.4	0.0	6.5	25.0	0.0	
	15.6	0.3	0.0	0.5	0.3	0.0	
3	220	39	2	29	3	19	312
	70.5	12.5	0.6	9.3	1.0	6.1	82.3
	78.0	95.1	100.0	93.5	75.0	100.0	
	58.0	10.3	0.5	7.7	0.8	5.0	
COLUMN TOTAL	282	41	2	31	4	19	379
	74.4	10.8	0.5	8.2	1.1	5.0	100.0

RAW CHI SQUARE = 17.77113 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0589
CONTINGENCY COEFFICIENT = 0.21164

NUMBER OF MISSING OBSERVATIONS = 12

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * *
I054 BY POS
* PAG

I054	POS	1	2	3	4	5	6	ROW TOTAL
	1	10	1	0	0	0	0	11
		90.9	9.1	0.0	0.0	0.0	0.0	2.9
		3.6	2.4	0.0	0.0	0.0	0.0	
		2.6	0.3	0.0	0.0	0.0	0.0	
	2	112	14	0	11	0	4	141
		79.4	9.9	0.0	7.8	0.0	2.8	37.3
		40.0	34.1	0.0	34.4	0.0	21.1	
		29.6	3.7	0.0	2.9	0.0	1.1	
	3	158	26	2	21	4	15	246
		69.9	11.5	0.9	9.3	1.8	6.6	59.8
		56.4	63.4	100.0	65.6	100.0	78.9	
		41.8	6.9	0.5	5.6	1.1	4.0	
	COLUMN TOTAL	280	41	2	32	4	19	378
		74.1	10.8	0.5	8.5	1.1	5.0	100.0

RAW CHI SQUARE = 10.01364 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.4393
CONTINGENCY COEFFICIENT = 0.16065

NUMBER OF MISSING OBSERVATIONS = 13

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I055 BY POS
* PA

I055	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		2 66.7 0.7 0.5	1 33.3 2.4 0.3	0 0.0 0.0 0.0	0 0.0 0.0 0.0	0 0.0 0.0 0.0	0 0.0 0.0 0.0	3 0.8
2		30 78.9 10.8 8.0	4 10.5 9.8 1.1	0 0.0 0.0 0.0	4 10.5 12.5 1.1	0 0.0 0.0 0.0	0 0.0 0.0 0.0	38 10.1
3		246 73.4 88.5 65.4	36 10.7 87.8 9.6	2 0.6 100.0 0.5	28 8.4 87.5 7.4	4 1.2 100.0 1.1	19 5.7 100.0 5.1	335 89.1
	COLUMN TOTAL	278 73.9	41 10.9	2 0.5	32 8.5	4 1.1	19 5.1	376 100.0

RAW CHI SQUARE = 5.06424 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.8868
CONTINGENCY COEFFICIENT = 0.11528

NUMBER OF MISSING OBSERVATIONS = 15

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * *
I056 BY POS
* PAGE

	POS						
COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
I056							
1	0	1	0	0	0	0	1
	0.0	100.0	0.0	0.0	0.0	0.0	0.3
	0.0	2.4	0.0	0.0	0.0	0.0	
	0.0	0.3	0.0	0.0	0.0	0.0	
2	47	7	0	6	0	0	60
	78.3	11.7	0.0	10.0	0.0	0.0	16.0
	16.8	17.1	0.0	18.8	0.0	0.0	
	12.5	1.9	0.0	1.6	0.0	0.0	
3	233	33	2	26	3	18	315
	74.0	10.5	0.6	8.3	1.0	5.7	83.8
	83.2	80.5	100.0	81.3	100.0	100.0	
	62.0	8.8	0.5	6.9	0.8	4.8	
COLUMN TOTAL	280	41	2	32	3	18	376
	74.5	10.9	0.5	8.5	0.8	4.8	100.0

RAW CHI SQUARE = 12.96015 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.2259
CONTINGENCY COEFFICIENT = 0.18254

NUMBER OF MISSING OBSERVATIONS = 15

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I057 BY POS
* PAG

I057	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT	2	0	0	0	0	0	2
	ROW PCT	100.0	0.0	0.0	0.0	0.0	0.0	0.5
	COL PCT	0.7	0.0	0.0	0.0	0.0	0.0	
	TOT PCT	0.5	0.0	0.0	0.0	0.0	0.0	
2	COUNT	56	3	0	7	2	1	69
	ROW PCT	81.2	4.3	0.0	10.1	2.9	1.4	18.3
	COL PCT	20.0	7.3	0.0	22.6	50.0	5.3	
	TOT PCT	14.9	0.8	0.0	1.9	0.5	0.3	
3	COUNT	222	38	2	24	2	18	306
	ROW PCT	72.5	12.4	0.7	7.8	0.7	5.9	81.2
	COL PCT	79.3	92.7	100.0	77.4	50.0	94.7	
	TOT PCT	58.9	10.1	0.5	6.4	0.5	4.8	
COLUMN	TOTAL	280	41	2	31	4	19	377
		74.3	10.9	0.5	8.2	1.1	5.0	100.0

RAW CHI SQUARE = 10.31680 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.4132
CONTINGENCY COEFFICIENT = 0.16321

NUMBER OF MISSING OBSERVATIONS = 14

03/13/79 PA

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *

I058 BY POS PAG

* *

I058	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
	2	74 82.2 26.3 19.5	7 7.8 17.1 1.8	0 0.0 0.0 0.0	5 5.6 15.6 1.3	1 1.1 25.0 0.3	3 3.3 15.8 0.8	90 23.7
	3	207 71.6 73.7 54.6	34 11.8 82.9 9.0	2 0.7 100.0 0.5	27 9.3 84.4 7.1	3 1.0 75.0 0.8	16 5.5 84.2 4.2	289 76.3
	COLUMN TOTAL	281 74.1	41 10.8	2 0.5	32 8.4	4 1.1	19 5.0	379 100.0

RAW CHI SQUARE = 4.50400 WITH 5 DEGREES OF FREEDOM. SIGNIFICANCE = 0.4793
CONTINGENCY COEFFICIENT = 0.10837

NUMBER OF MISSING OBSERVATIONS = 12

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F *
I059 BY POS
* PA

	POS						
COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
I059 1	1	0	0	0	0	0	1
	100.0	0.0	0.0	0.0	0.0	0.0	0.3
	0.4	0.0	0.0	0.0	0.0	0.0	
	0.3	0.0	0.0	0.0	0.0	0.0	
2	73	8	0	3	0	1	85
	85.9	9.4	0.0	3.5	0.0	1.2	22.5
	26.0	20.0	0.0	9.7	0.0	5.3	
	19.4	2.1	0.0	0.8	0.0	0.3	
3	207	32	2	28	4	18	291
	71.1	11.0	0.7	9.6	1.4	6.2	77.2
	73.7	80.0	100.0	90.3	100.0	94.7	
	54.9	8.5	0.5	7.4	1.1	4.8	
COLUMN TOTAL	281	40	2	31	4	19	377
	74.5	10.6	0.5	8.2	1.1	5.0	100.0

RAW CHI SQUARE = 10.42006 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.4044
CONTINGENCY COEFFICIENT = 0.16400

NUMBER OF MISSING OBSERVATIONS = 14

* CROSSTABULATION OF *
I060 BY POS
* PAC

I060 \ POS	1	2	3	4	5	6	ROW TOTAL
1	4	0	0	1	0	0	5
	80.0	0.0	0.0	20.0	0.0	0.0	1.3
	1.4	0.0	0.0	3.1	0.0	0.0	
	1.1	0.0	0.0	0.3	0.0	0.0	
2	74	14	0	6	2	3	99
	74.7	14.1	0.0	6.1	2.0	3.0	26.1
	26.3	34.1	0.0	18.8	50.0	15.8	
	19.5	3.7	0.0	1.6	0.5	0.8	
3	203	27	2	25	2	16	275
	73.8	9.8	0.7	9.1	0.7	5.8	72.6
	72.2	65.9	100.0	78.1	50.0	84.2	
	53.6	7.1	0.5	6.6	0.5	4.2	
COLUMN TOTAL	281	41	2	32	4	19	379
	74.1	10.8	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 6.77632 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.7464
CONTINGENCY COEFFICIENT = 0.13253

NUMBER OF MISSING OBSERVATIONS = 12

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I061 BY POS
* PA

I061	POS: COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
1		3	0	0	1	0	0	4
		75.0	0.0	0.0	25.0	0.0	0.0	1.1
		1.1	0.0	0.0	3.1	0.0	0.0	
		0.8	0.0	0.0	0.3	0.0	0.0	
2		55	8	0	5	1	3	72
		76.4	11.1	0.0	6.9	1.4	4.2	19.1
		19.7	19.5	0.0	15.6	25.0	15.8	
		14.6	2.1	0.0	1.3	0.3	0.8	
3		221	33	2	26	3	16	301
		73.4	11.0	0.7	8.6	1.0	5.3	79.8
		79.2	80.5	100.0	81.3	75.0	84.2	
		58.6	8.8	0.5	6.9	0.8	4.2	
	COLUMN TOTAL	279	41	2	32	4	19	377
		74.0	10.9	0.5	8.5	1.1	5.0	100.0

RAW CHI SQUARE = 2.99346 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.9816
CONTINGENCY COEFFICIENT = 0.08876

NUMBER OF MISSING OBSERVATIONS = 14

I062	POS 1	2	3	4	5	6	ROW TOTAL
1	9	2	0	0	0	0	11
	81.8	18.2	0.0	0.0	0.0	0.0	2.9
	3.3	4.9	0.0	0.0	0.0	0.0	
	2.4	0.5	0.0	0.0	0.0	0.0	
2	99	12	0	5	1	4	141
	81.8	9.9	0.0	4.1	0.8	3.3	37.4
	35.9	29.3	0.0	15.6	25.0	21.1	
	26.5	3.2	0.0	1.3	0.3	1.1	
3	168	27	2	27	3	15	242
	69.4	11.2	0.8	11.2	1.2	6.2	64.7
	60.9	65.9	100.0	84.4	75.0	78.9	
	44.9	7.2	0.5	7.2	0.8	4.0	
COLUMN TOTAL	276	41	2	32	4	19	374
	73.8	11.0	0.5	8.6	1.1	5.1	100.0

RAW CHI SQUARE = 11.29791 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.3348
CONTINGENCY COEFFICIENT = 0.17124

NUMBER OF MISSING OBSERVATIONS = 17

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIPE ANALYSIS FOR PROJECT SECT 03/13/79 PA

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * * *
I063 BY POS

* PAG

I063	POS 1	2	3	4	5	6	ROW TOTAL
1	22	3	0	3	0	1	29
	75.9	10.3	0.0	10.3	0.0	3.4	7.7
	7.9	7.1	0.0	9.4	0.0	5.3	
	5.8	0.8	0.0	0.8	0.0	0.3	
2	173	24	1	16	3	9	226
	76.5	10.6	0.4	7.1	1.3	4.0	59.8
	62.0	57.1	50.0	50.0	75.0	47.4	
	45.8	6.3	0.3	4.2	0.8	2.4	
3	84	15	1	13	1	9	123
	68.3	12.2	0.8	10.6	0.8	7.3	32.5
	30.1	35.7	50.0	40.6	25.0	47.4	
	22.2	4.0	0.3	3.4	0.3	2.4	
COLUMN TOTAL	279	42	2	32	4	19	378
	73.8	11.1	0.5	8.5	1.1	5.0	100.0

RAW CHI SQUARE = 5.04699 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.8880
CONTINGENCY COEFFICIENT = 0.11479

NUMBER OF MISSING OBSERVATIONS = 13

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
I064 BY POS
* PAGE

I064	POS COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
1		8	0	0	0	0	0	8
		100.0	0.0	0.0	0.0	0.0	0.0	2.1
		2.9	0.0	0.0	0.0	0.0	0.0	
		2.1	0.0	0.0	0.0	0.0	0.0	
2		47	9	0	3	1	1	61
		77.0	14.8	0.0	4.9	1.6	1.6	16.2
		16.9	21.4	0.0	9.4	25.0	5.3	
		12.5	2.4	0.0	0.8	0.3	0.3	
3		223	33	2	29	3	18	308
		72.4	10.7	0.6	9.4	1.0	5.8	81.7
		80.2	78.6	100.0	90.6	75.0	94.7	
		59.2	8.8	0.5	7.7	0.8	4.8	
COLUMN TOTAL		278	42	2	32	4	19	377
		73.7	11.1	0.5	8.5	1.1	5.0	100.0

RAW CHI SQUARE = 7.42235 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6851
CONTINGENCY COEFFICIENT = 0.13895

NUMBER OF MISSING OBSERVATIONS = 14

* CROSSTABULATION OF * * * * * * * * * * * * * *

I065 BY POS

* PAG

I065	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT 10	1	0	0	0	0	11
	ROW PCT 90.9	9.1	0.0	0.0	0.0	0.0	2.9
	COL PCT 3.6	2.4	0.0	0.0	0.0	0.0	
	TOT PCT 2.7	0.3	0.0	0.0	0.0	0.0	
2	COUNT 64	9	0	3	2	1	79
	ROW PCT 81.0	11.4	0.0	3.8	2.5	1.3	21.0
	COL PCT 23.0	21.4	0.0	9.7	50.0	5.3	
	TOT PCT 17.0	2.4	0.0	0.8	0.5	0.3	
3	COUNT 204	32	2	28	2	18	286
	ROW PCT 71.3	11.2	0.7	9.8	0.7	6.3	76.1
	COL PCT 73.4	76.2	100.0	90.3	50.0	94.7	
	TOT PCT 54.3	8.5	0.5	7.4	0.5	4.8	
COLUMN TOTAL	278	42	2	31	4	19	376
	73.9	11.2	0.5	8.2	1.1	5.1	100.0

RAW CHI SQUARE = 11.27631 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.3364
CONTINGENCY COEFFICIENT = 0.17064

NUMBER OF MISSING OBSERVATIONS = 15

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * *
I066 BY POS
* PAG

I066	POS: COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
1	COUNT	5	1	0	0	0	0	6
	ROW PCT	83.3	16.7	0.0	0.0	0.0	0.0	1.6
	COL PCT	1.8	2.4	0.0	0.0	0.0	0.0	
	TOT PCT	1.3	0.3	0.0	0.0	0.0	0.0	
2	COUNT	50	6	0	2	1	0	59
	ROW PCT	84.7	10.2	0.0	3.4	1.7	0.0	15.6
	COL PCT	17.9	14.3	0.0	6.3	25.0	0.0	
	TOT PCT	13.2	1.6	0.0	0.5	0.3	0.0	
3	COUNT	224	35	2	30	3	19	313
	ROW PCT	71.6	11.2	0.6	9.6	1.0	6.1	82.8
	COL PCT	80.3	83.3	100.0	93.8	75.0	100.0	
	TOT PCT	59.3	9.3	0.5	7.9	0.8	5.0	
COLUMN TOTAL		279	42	2	32	4	19	378
		73.8	11.1	0.5	8.5	1.1	5.0	100.0

RAW CHI SQUARE = 8.90495 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.5411
CONTINGENCY COEFFICIENT = 0.15171

NUMBER OF MISSING OBSERVATIONS = 13

* CROSSTABULATION OF * * * * * * * * * * * *

I067 BY POS

I067	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT 4	0	0	0	0	0	4
	ROW PCT 100.0	0.0	0.0	0.0	0.0	0.0	1.1
	COL PCT 1.5	0.0	0.0	0.0	0.0	0.0	
	TOT PCT 1.1	0.0	0.0	0.0	0.0	0.0	
2	COUNT 76	10	0	5	0	3	94
	ROW PCT 80.9	10.6	0.0	5.3	0.0	3.2	25.4
	COL PCT 27.7	23.8	0.0	17.2	0.0	15.8	
	TOT PCT 20.5	2.7	0.0	1.4	0.0	0.8	
3	COUNT 194	32	2	24	4	16	272
	ROW PCT 71.3	11.8	0.7	8.8	1.5	5.9	73.5
	COL PCT 70.8	76.2	100.0	82.8	100.0	84.2	
	TOT PCT 52.4	8.6	0.5	6.5	1.1	4.3	
COLUMN TOTAL	274	42	2	29	4	19	370
	74.1	11.4	0.5	7.8	1.1	5.1	100.0

RAW CHI SQUARE = 6.52694 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.7692
CONTINGENCY COEFFICIENT = 0.13166

NUMBER OF MISSING OBSERVATIONS = 21

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PAG

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
I068 BY POS
* PAGE

	POS						
COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
I063 1	5	0	0	0	0	0	5
	100.0	0.0	0.0	0.0	0.0	0.0	1.4
	1.9	0.0	0.0	0.0	0.0	0.0	
	1.4	0.0	0.0	0.0	0.0	0.0	
2	59	10	0	5	2	1	77
	76.6	13.0	0.0	6.5	2.6	1.3	21.3
	22.2	24.4	0.0	16.7	50.0	5.6	
	16.3	2.8	0.0	1.4	0.6	0.3	
3	202	31	2	25	2	17	279
	72.4	11.1	0.7	9.0	0.7	6.1	77.3
	75.9	75.6	100.0	83.3	50.0	94.4	
	56.0	8.6	0.6	6.9	0.6	4.7	
COLUMN TOTAL	266	41	2	30	4	18	361
	73.7	11.4	0.6	8.3	1.1	5.0	100.0

RAW CHI SQUARE = 7.85352 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6431
CONTINGENCY COEFFICIENT = 0.14592

NUMBER OF MISSING OBSERVATIONS = 30

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * *
I069 BY POS
* PA

	POS						
COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
I069							
1	2	0	0	0	0	0	2
	100.0	0.0	0.0	0.0	0.0	0.0	0.5
	0.7	0.0	0.0	0.0	0.0	0.0	
	0.5	0.0	0.0	0.0	0.0	0.0	
2	21	4	0	0	0	1	26
	80.8	15.4	0.0	0.0	0.0	3.8	6.8
	7.4	9.5	0.0	0.0	0.0	5.3	
	5.5	1.0	0.0	0.0	0.0	0.3	
3	259	38	2	32	4	18	353
	73.4	10.8	0.6	9.1	1.1	5.1	92.7
	91.8	90.5	100.0	100.0	100.0	94.7	
	68.0	10.0	0.5	8.4	1.0	4.7	
COLUMN TOTAL	282	42	2	32	4	19	381
	74.0	11.0	0.5	8.4	1.0	5.0	100.0

RAW CHI SQUARE = 4.24361 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9357
CONTINGENCY COEFFICIENT = 0.10495

NUMBER OF MISSING OBSERVATIONS = 10

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * * * *
I070 BY POS
* PAGE

I070	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT	1	0	0	0	0	0	1
	ROW PCT	100.0	0.0	0.0	0.0	0.0	0.0	0.3
	COL PCT	0.4	0.0	0.0	0.0	0.0	0.0	
	TOT PCT	0.3	0.0	0.0	0.0	0.0	0.0	
2	COUNT	17	4	0	0	0	0	21
	ROW PCT	81.0	19.0	0.0	0.0	0.0	0.0	5.5
	COL PCT	6.1	9.5	0.0	0.0	0.0	0.0	
	TOT PCT	4.5	1.1	0.0	0.0	0.0	0.0	
3	COUNT	262	38	2	32	4	19	357
	ROW PCT	73.4	10.6	0.6	9.0	1.1	5.3	94.2
	COL PCT	93.6	90.5	100.0	100.0	100.0	100.0	
	TOT PCT	69.1	10.0	0.5	8.4	1.1	5.0	
COLUMN TOTAL		280	42	2	32	4	19	379
		73.9	11.1	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 5.13370 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.8821
CONTINGENCY COEFFICIENT = 0.11560

NUMBER OF MISSING OBSERVATIONS = 12

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * *
I071 BY POS
* PA

I071	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
	1	2	0	0	0	0	0	2
		100.0	0.0	0.0	0.0	0.0	0.0	0.5
		0.7	0.0	0.0	0.0	0.0	0.0	
		0.5	0.0	0.0	0.0	0.0	0.0	
	2	50	7	0	4	1	2	64
		78.1	10.9	0.0	6.3	1.6	3.1	16.8
		17.7	16.7	0.0	12.5	25.0	10.5	
		13.1	1.8	0.0	1.0	0.3	0.5	
	3	230	35	2	28	3	17	315
		73.0	11.1	0.6	8.9	1.0	5.4	82.7
		81.6	83.3	100.0	87.5	75.0	89.5	
		60.4	9.2	0.5	7.3	0.8	4.5	
	COLUMN TOTAL	282	42	2	32	4	19	381
		74.0	11.0	0.5	8.4	1.0	5.0	100.0

RAW CHI SQUARE = 2.48352 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.9911
CONTINGENCY COEFFICIENT = 0.08047

NUMBER OF MISSING OBSERVATIONS = 10

I072 / POS	1	2	3	4	5	6	ROW TOTAL
2 COUNT	22	1	0	1	0	0	24
ROW PCT	91.7	4.2	0.0	4.2	0.0	0.0	6.3
COL PCT	7.8	2.4	0.0	3.1	0.0	0.0	
TOT PCT	5.8	0.3	0.0	0.3	0.0	0.0	
3 COUNT	260	41	2	31	4	19	357
ROW PCT	72.8	11.5	0.6	8.7	1.1	5.3	93.7
COL PCT	92.2	97.6	100.0	96.9	100.0	100.0	
TOT PCT	68.2	10.8	0.5	8.1	1.0	5.0	
COLUMN TOTAL	282	42	2	32	4	19	381
	74.0	11.0	0.5	8.4	1.0	5.0	100.0

RAW CHI SQUARE = 4.39753 WITH 5 DEGREES OF FREEDOM, SIGNIFICANCE = 0.4937
CONTINGENCY COEFFICIENT = 0.10682

NUMBER OF MISSING OBSERVATIONS = 10

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * *

I073 BY POS

* PA

I073	POS 1	2	3	4	5	6	ROW TOTAL
1	30	7	0	1	0	2	40
	75.0	17.5	0.0	2.5	0.0	5.0	11.6
	12.0	16.7	0.0	3.2	0.0	11.8	
	8.7	2.0	0.0	0.3	0.0	0.6	
2	83	12	0	7	2	4	108
	76.9	11.1	0.0	6.5	1.9	3.7	31.3
	33.2	28.6	0.0	22.6	66.7	23.5	
	24.1	3.5	0.0	2.0	0.6	1.2	
3	137	23	2	23	1	11	197
	69.5	11.7	1.0	11.7	0.5	5.6	57.1
	54.8	54.8	100.0	74.2	33.3	64.7	
	39.7	6.7	0.6	6.7	0.3	3.2	
COLUMN TOTAL	250	42	2	31	3	17	345
	72.5	12.2	0.6	9.0	0.9	4.9	100.0

RAW CHI SQUARE = 9.68539 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.4685
CONTINGENCY COEFFICIENT = 0.16525

NUMBER OF MISSING OBSERVATIONS = 46

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * *

1074 BY POS

* PAG

1074 / POS (COUNT, ROW PCT, COL PCT, TOT PCT)	1	2	3	4	5	6	ROW TOTAL
[illegible]	5 [illegible]5.7 2.2 1.6	1 14.3 2.4 0.3	0 0.0 0.0 0.0	[illegible] 0.0 0.0 0.0	0 0.0 0.0 0.0	0 [illegible] [illegible] 0.0	7 1.9
[illegible]	[illegible]1 73.6 29.9 21.9	10 9.7 23.8 2.7	0 0.0 0.0 0.0	6 5.8 18.8 1.6	3 2.9 75.0 0.5	3 2.9 15.8 0.8	103 27.8
[illegible]	1[illegible]4 70.8 67.9 49.7	31 11.9 73.8 8.4	2 0.8 100.0 0.5	26 10.0 81.3 7.0	1 0.4 25.0 0.3	16 6.2 84.2 4.3	260 70.3
COLUMN TOTAL	271 73.2	42 11.4	2 0.5	32 8.6	4 1.1	19 5.1	370 100.0

RAW CHI SQUARE = 10.41228 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.4051
CONTINGENCY COEFFICIENT = 0.16544

NUMBER OF MISSING OBSERVATIONS = 21

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * * *
I075 BY POS
* PA

I075	POS 1	2	3	4	5	6	ROW TOTAL
1	3	0	0	1	0	0	4
	75.0	0.0	0.0	25.0	0.0	0.0	1.1
	1.1	0.0	0.0	3.1	0.0	0.0	
	0.8	0.0	0.0	0.3	0.0	0.0	
2	64	13	0	3	2	4	86
	74.4	15.1	0.0	3.5	2.3	4.7	23.1
	23.4	31.0	0.0	9.4	50.0	21.1	
	17.2	3.5	0.0	0.8	0.5	1.1	
3	206	29	2	28	2	15	282
	73.0	10.3	0.7	9.9	0.7	5.3	75.8
	75.5	69.0	100.0	87.5	50.0	78.9	
	55.4	7.8	0.5	7.5	0.5	4.0	
COLUMN TOTAL	273	42	2	32	4	19	372
	73.4	11.3	0.5	8.6	1.1	5.1	100.0

RAW CHI SQUARE = 8.82705 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.5486
CONTINGENCY COEFFICIENT = 0.15225

NUMBER OF MISSING OBSERVATIONS = 19

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I076 BY POS
* PAG

I076 \ POS (COUNT / ROW PCT / COL PCT / TOT PCT)	1	2	3	4	5	6	ROW TOTAL
1	44	4	0	2	0	4	54
	81.5	7.4	0.0	3.7	0.0	7.4	16.8
	18.8	11.1	0.0	7.1	0.0	23.5	
	13.7	1.2	0.0	0.6	0.0	1.2	
2	106	16	0	13	4	5	144
	73.6	11.1	0.0	9.0	2.8	3.5	44.9
	45.3	44.4	0.0	46.4	100.0	29.4	
	33.0	5.0	0.0	4.0	1.2	1.6	
3	84	16	2	13	0	8	123
	68.3	13.0	1.6	10.6	0.0	6.5	38.3
	35.9	44.4	100.0	46.4	0.0	47.1	
	26.2	5.0	0.6	4.0	0.0	2.5	
COLUMN TOTAL	234	36	2	28	4	17	321
	72.9	11.2	0.6	8.7	1.2	5.3	100.0

RAW CHI SQUARE = 13.85542 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.1797
CONTINGENCY COEFFICIENT = 0.20341

NUMBER OF MISSING OBSERVATIONS = 70

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * * * *
I077 BY POS
* PA

I077	POS 1	2	3	4	5	6	ROW TOTAL
1	57	8	0	6	0	4	75
	76.0	10.7	0.0	8.0	0.0	5.3	23.6
	24.7	22.2	0.0	21.4	0.0	23.5	
	17.9	2.5	0.0	1.9	0.0	1.3	
2	94	14	0	11	3	6	128
	73.4	10.9	0.0	8.6	2.3	4.7	40.3
	40.7	38.9	0.0	39.3	75.0	35.3	
	29.6	4.4	0.0	3.5	0.9	1.9	
3	80	14	2	11	1	7	115
	69.6	12.2	1.7	9.6	0.9	6.1	36.2
	34.6	38.9	100.0	39.3	25.0	41.2	
	25.2	4.4	0.6	3.5	0.3	2.2	
COLUMN TOTAL	231	36	2	28	4	17	318
	72.6	11.3	0.6	8.8	1.3	5.3	100.0

RAW CHI SQUARE = 6.56703 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.7656
CONTINGENCY COEFFICIENT = 0.14224

NUMBER OF MISSING OBSERVATIONS = 73

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I078 BY POS
* PAG

I078	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT	9	1	0	1	0	0	11
	ROW PCT	81.8	9.1	0.0	9.1	0.0	0.0	2.9
	COL PCT	3.3	2.4	0.0	3.1	0.0	0.0	
	TOT PCT	2.4	0.3	0.0	0.3	0.0	0.0	
2	COUNT	128	18	1	14	1	10	172
	ROW PCT	74.4	10.5	0.6	8.1	0.6	5.8	46.0
	COL PCT	46.5	42.9	50.0	43.8	25.0	52.6	
	TOT PCT	34.2	4.8	0.3	3.7	0.3	2.7	
3	COUNT	138	23	1	17	3	9	191
	ROW PCT	72.3	12.0	0.5	8.9	1.6	4.7	51.1
	COL PCT	50.2	54.8	50.0	53.1	75.0	47.4	
	TOT PCT	36.9	6.1	0.3	4.5	0.8	2.4	
COLUMN		275	42	2	32	4	19	374
TOTAL		73.5	11.2	0.5	8.6	1.1	5.1	100.0

RAW CHI SQUARE = 2.28298 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.9937
CONTINGENCY COEFFICIENT = 0.07789

NUMBER OF MISSING OBSERVATIONS = 17

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I079 BY POS
* PA

I079	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT	3	0	0	0	0	0	3
	ROW PCT	100.0	0.0	0.0	0.0	0.0	0.0	0.8
	COL PCT	1.1	0.0	0.0	0.0	0.0	0.0	
	TOT PCT	0.8	0.0	0.0	0.0	0.0	0.0	
2	COUNT	54	8	0	2	0	3	67
	ROW PCT	80.6	11.9	0.0	3.0	0.0	4.5	17.7
	COL PCT	19.3	19.0	0.0	6.3	0.0	15.8	
	TOT PCT	14.2	2.1	0.0	0.5	0.0	0.8	
3	COUNT	223	34	2	30	4	16	309
	ROW PCT	72.2	11.0	0.6	9.7	1.3	5.2	81.5
	COL PCT	79.6	81.0	100.0	93.8	100.0	84.2	
	TOT PCT	58.8	9.0	0.5	7.9	1.1	4.2	
	COLUMN	280	42	2	32	4	19	379
	TOTAL	73.9	11.1	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 5.95564 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.8190
CONTINGENCY COEFFICIENT = 0.12438

NUMBER OF MISSING OBSERVATIONS = 12

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * PAG
I080 BY POS

I080	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		2	0	0	0	0	0	2
		100.0	0.0	0.0	0.0	0.0	0.0	0.5
		0.7	0.0	0.0	0.0	0.0	0.0	
		0.5	0.0	0.0	0.0	0.0	0.0	
2		54	7	0	4	1	3	69
		78.3	10.1	0.0	5.8	1.4	4.3	18.2
		19.3	16.7	0.0	12.5	25.0	15.8	
		14.2	1.8	0.0	1.1	0.3	0.8	
3		224	35	2	28	3	16	308
		72.7	11.4	0.6	9.1	1.0	5.2	81.3
		80.0	83.3	100.0	87.5	75.0	84.2	
		59.1	9.2	0.5	7.4	0.8	4.2	
COLUMN TOTAL		280	42	2	32	4	19	379
		73.9	11.1	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 2.39616 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9923
CONTINGENCY COEFFICIENT = 0.07926

NUMBER OF MISSING OBSERVATIONS = 12

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *

I081 BY POS

I081	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		6	1	0	0	0	0	7
		85.7	14.3	0.0	0.0	0.0	0.0	1.9
		2.1	2.4	0.0	0.0	0.0	0.0	
		1.6	0.3	0.0	0.0	0.0	0.0	
2		43	8	1	3	0	2	57
		75.4	14.0	1.8	5.3	0.0	3.5	15.1
		15.3	19.5	50.0	9.7	0.0	11.1	
		11.4	2.1	0.3	0.8	0.0	0.5	
3		232	32	1	28	4	16	313
		74.1	10.2	0.3	8.9	1.3	5.1	83.0
		82.6	78.0	50.0	90.3	100.0	88.9	
		61.5	8.5	0.3	7.4	1.1	4.2	
COLUMN TOTAL		281	41	2	31	4	18	377
		74.5	10.9	0.5	8.2	1.1	4.8	100.0

RAW CHI SQUARE = 5.56009 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.8508
CONTINGENCY COEFFICIENT = 0.12056

NUMBER OF MISSING OBSERVATIONS = 14

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * *
IO82 BY POS
* PAC

IO82	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		2	0	0	0	0	0	2
		100.0	0.0	0.0	0.0	0.0	0.0	0.5
		0.7	0.0	0.0	0.0	0.0	0.0	
		0.5	0.0	0.0	0.0	0.0	0.0	
2		40	4	0	1	0	1	46
		87.0	8.7	0.0	2.2	0.0	2.2	12.1
		14.2	9.8	0.0	3.1	0.0	5.6	
		10.6	1.1	0.0	0.3	0.0	0.3	
3		240	37	2	31	4	17	331
		72.5	11.2	0.6	9.4	1.2	5.1	87.3
		85.1	90.2	100.0	96.9	100.0	94.4	
		63.3	9.8	0.5	8.2	1.1	4.5	
	COLUMN TOTAL	282	41	2	32	4	18	379
		74.4	10.8	0.5	8.4	1.1	4.7	100.0

RAW CHI SQUARE = 6.11320 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.8057
CONTINGENCY COEFFICIENT = 0.12599

NUMBER OF MISSING OBSERVATIONS = 12

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
I083 BY POS

I083	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		0	1	0	0	0	0	1
		0.0	100.0	0.0	0.0	0.0	0.0	0.3
		0.0	2.4	0.0	0.0	0.0	0.0	
		0.0	0.3	0.0	0.0	0.0	0.0	
2		46	5	1	4	0	1	57
		80.7	8.8	1.8	7.0	0.0	1.8	15.2
		16.5	11.9	50.0	12.9	0.0	5.3	
		12.2	1.3	0.3	1.1	0.0	0.3	
3		232	36	1	27	4	18	318
		73.0	11.3	0.3	8.5	1.3	5.7	84.6
		83.5	85.7	50.0	87.1	100.0	94.7	
		61.7	9.6	0.3	7.2	1.1	4.8	
COLUMN TOTAL		278	42	2	31	4	19	376
		73.9	11.2	0.5	8.2	1.1	5.1	100.0

RAW CHI SQUARE = 12.83652 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.2330
CONTINGENCY COEFFICIENT = 0.18169

NUMBER OF MISSING OBSERVATIONS = 15

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * *

I084 BY POS

* PAG

I084	POS 1	2	3	4	5	6	ROW TOTAL
2	37	6	0	4	2	2	51
	72.5	11.8	0.0	7.8	3.9	3.9	13.4
	13.2	14.3	0.0	12.5	50.0	10.5	
	9.7	1.6	0.0	1.1	0.5	0.5	
3	244	36	2	28	2	17	329
	74.2	10.9	0.6	8.5	0.6	5.2	86.6
	86.8	85.7	100.0	87.5	50.0	89.5	
	64.2	9.5	0.5	7.4	0.5	4.5	
COLUMN TOTAL	281	42	2	32	4	19	380
	73.9	11.1	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 5.11900 WITH 5 DEGREES OF FREEDOM, SIGNIFICANCE = 0.4015
CONTINGENCY COEFFICIENT = 0.11529

NUMBER OF MISSING OBSERVATIONS = 11

* CROSSTABULATION OF * * * * * * * * * * * * * *

I085 BY POS

* PA

I085	POS	1	2	3	4	5	6	ROW TOTAL
1	COUNT	1	0	0	0	0	0	1
	ROW PCT	100.0	0.0	0.0	0.0	0.0	0.0	0.3
	COL PCT	0.4	0.0	0.0	0.0	0.0	0.0	
	TOT PCT	0.3	0.0	0.0	0.0	0.0	0.0	
2	COUNT	52	7	0	5	1	2	67
	ROW PCT	77.6	10.4	0.0	7.5	1.5	3.0	17.5
	COL PCT	18.4	16.7	0.0	15.6	25.0	10.5	
	TOT PCT	13.6	1.8	0.0	1.3	0.3	0.5	
3	COUNT	230	35	2	27	3	17	314
	ROW PCT	73.2	11.1	0.6	8.6	1.0	5.4	82.2
	COL PCT	81.3	83.3	100.0	84.4	75.0	89.5	
	TOT PCT	60.2	9.2	0.5	7.1	0.8	4.5	
COLUMN TOTAL		283 74.1	42 11.0	2 0.5	32 8.4	4 1.0	19 5.0	382 100.0

RAW CHI SQUARE = 1.83722 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.9974
CONTINGENCY COEFFICIENT = 0.06918

NUMBER OF MISSING OBSERVATIONS = 9

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * *
I086 BY POS
* P

I086	POS 1	2	3	4	5	6	ROW TOTAL
1	1	0	0	0	0	0	1
	100.0	0.0	0.0	0.0	0.0	0.0	0.3
	0.4	0.0	0.0	0.0	0.0	0.0	
	0.3	0.0	0.0	0.0	0.0	0.0	
2	29	4	0	2	0	4	39
	74.4	10.3	0.0	5.1	0.0	10.3	10.2
	10.2	9.5	0.0	6.3	0.0	21.1	
	7.6	1.0	0.0	0.5	0.0	1.0	
3	253	38	2	30	4	15	342
	74.0	11.1	0.6	8.8	1.2	4.4	89.5
	89.4	90.5	100.0	93.8	100.0	78.9	
	66.2	9.9	0.5	7.9	1.0	3.9	
COLUMN TOTAL	283	42	2	32	4	19	382
	74.1	11.0	0.5	8.4	1.0	5.0	100.0

RAW CHI SQUARE = 4.04113 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9455
CONTINGENCY COEFFICIENT = 0.10231

NUMBER OF MISSING OBSERVATIONS = 9

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * *
I087 BY POS
* PA

I087	POS: COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
1	COUNT	0	0	0	1	0	0	1
	ROW PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.3
	COL PCT	0.0	0.0	0.0	3.1	0.0	0.0	
	TOT PCT	0.0	0.0	0.0	0.3	0.0	0.0	
2	COUNT	25	3	0	1	0	1	30
	ROW PCT	83.3	10.0	0.0	3.3	0.0	3.3	7.9
	COL PCT	9.0	7.1	0.0	3.1	0.0	5.3	
	TOT PCT	6.6	0.8	0.0	0.3	0.0	0.3	
3	COUNT	254	39	2	30	4	18	347
	ROW PCT	73.2	11.2	0.6	8.6	1.2	5.2	91.8
	COL PCT	91.0	92.9	100.0	93.8	100.0	94.7	
	TOT PCT	67.2	10.3	0.5	7.9	1.1	4.8	
COLUMN TOTAL		279	42	2	32	4	19	378
		73.8	11.1	0.5	8.5	1.1	5.0	100.0

RAW CHI SQUARE = 12.89296 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.2297
CONTINGENCY COEFFICIENT = 0.18161

NUMBER OF MISSING OBSERVATIONS = 13

* CROSSTABULATION OF * * * * * * * * * * * * * * * * * * *

I088 BY POS

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STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *

I089 BY POS

* PA

I089	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		5	1	0	0	0	0	6
		83.3	16.7	0.0	0.0	0.0	0.0	1.6
		1.8	2.4	0.0	0.0	0.0	0.0	
		1.3	0.3	0.0	0.0	0.0	0.0	
2		72	9	1	3	1	4	90
		80.0	10.0	1.1	3.3	1.1	4.4	23.8
		25.6	21.4	50.0	10.0	25.0	21.1	
		19.0	2.4	0.3	0.8	0.3	1.1	
3		204	32	1	27	3	15	282
		72.3	11.3	0.4	9.6	1.1	5.3	74.6
		72.6	76.2	50.0	90.0	75.0	78.9	
		54.0	8.5	0.3	7.1	0.8	4.0	
COLUMN TOTAL		281	42	2	30	4	19	378
		74.3	11.1	0.5	7.9	1.1	5.0	100.0

RAW CHI SQUARE = 5.96446 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.8182
CONTINGENCY COEFFICIENT = 0.12463

NUMBER OF MISSING OBSERVATIONS = 13

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I090 BY POS
* PAG

I090	POS: COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
1	COUNT	13	1	0	0	0	1	15
	ROW PCT	86.7	6.7	0.0	0.0	0.0	6.7	4.0
	COL PCT	4.6	2.5	0.0	0.0	0.0	5.9	
	TOT PCT	3.5	0.3	0.0	0.0	0.0	0.3	
2	COUNT	155	17	1	13	3	8	197
	ROW PCT	78.7	8.6	0.5	6.6	1.5	4.1	52.5
	COL PCT	55.0	42.5	50.0	43.3	75.0	47.1	
	TOT PCT	41.3	4.5	0.3	3.5	0.8	2.1	
3	COUNT	114	22	1	17	1	8	163
	ROW PCT	69.9	13.5	0.6	10.4	0.6	4.9	43.5
	COL PCT	40.4	55.0	50.0	56.7	25.0	47.1	
	TOT PCT	30.4	5.9	0.3	4.5	0.3	2.1	
COLUMN TOTAL		282	40	2	30	4	17	375
		75.2	10.7	0.5	8.0	1.1	4.5	100.0

RAW CHI SQUARE = 7.53936 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6737
CONTINGENCY COEFFICIENT = 0.14039

NUMBER OF MISSING OBSERVATIONS = 16

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

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I091 BY POS

* PA

I091	POS: COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
	1	16	1	0	0	0	0	17
		94.1	5.9	0.0	0.0	0.0	0.0	4.5
		5.7	2.5	0.0	0.0	0.0	0.0	
		4.3	0.3	0.0	0.0	0.0	0.0	
	2	118	9	2	7	3	4	143
		82.5	6.3	1.4	4.9	2.1	2.8	38.2
		42.3	22.5	100.0	21.9	75.0	23.5	
		31.6	2.4	0.5	1.9	0.8	1.1	
	3	145	30	0	25	1	13	214
		67.8	14.0	0.0	11.7	0.5	6.1	57.2
		52.0	75.0	0.0	78.1	25.0	76.5	
		38.8	3.0	0.0	6.7	0.3	3.5	
	COLUMN TOTAL	279	40	2	32	4	17	374
		74.6	10.7	0.5	8.6	1.1	4.5	100.0

RAW CHI SQUARE = 23.10814 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0104
CONTINGENCY COEFFICIENT = 0.24123

NUMBER OF MISSING OBSERVATIONS = 17

247

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * *
I092 BY POS
* PAG

I092 / POS: COUNT, ROW PCT, COL PCT, TOT PCT	1	2	3	4	5	6	ROW TOTAL
1	2	0	0	0	0	0	2
	100.0	0.0	0.0	0.0	0.0	0.0	0.5
	0.7	0.0	0.0	0.0	0.0	0.0	
	0.5	0.0	0.0	0.0	0.0	0.0	
2	38	3	0	5	0	3	49
	77.6	6.1	0.0	10.2	0.0	6.1	13.0
	13.5	7.5	0.0	15.6	0.0	16.7	
	10.1	0.8	0.0	1.3	0.0	0.8	
3	241	37	2	27	4	15	326
	73.9	11.3	0.6	8.3	1.2	4.6	86.5
	85.8	92.5	100.0	84.4	100.0	83.3	
	63.9	9.8	0.5	7.2	1.1	4.0	
COLUMN TOTAL	281	40	2	32	4	18	377
	74.5	10.6	0.5	8.5	1.1	4.8	100.0

RAW CHI SQUARE = 3.15748 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.9775
CONTINGENCY COEFFICIENT = 0.09114

NUMBER OF MISSING OBSERVATIONS = 14

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * *
I093 BY POS
* PAG

I093 \ POS	1	2	3	4	5	6	ROW TOTAL
2	27	3	0	3	0	2	35
	77.1	8.6	0.0	8.6	0.0	5.7	9.2
	9.6	7.5	0.0	9.4	0.0	10.5	
	7.1	0.8	0.0	0.8	0.0	0.5	
3	255	37	2	29	4	17	344
	74.1	10.8	0.6	8.4	1.2	4.9	90.8
	90.4	92.5	100.0	90.6	100.0	89.5	
	67.3	9.8	0.5	7.7	1.1	4.5	
COLUMN TOTAL	282	40	2	32	4	19	379
	74.4	10.6	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 0.83146 WITH 5 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9750
CONTINGENCY COEFFICIENT = 0.04679

NUMBER OF MISSING OBSERVATIONS = 12

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST. (CREATION DATE = 03/13/79) QUESTIONNAIPE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * *
I094 BY POS
* PAGE

I094	POS 1	2	3	4	5	6	ROW TOTAL
2	7	3	0	1	0	0	11
	63.6	27.3	0.0	9.1	0.0	0.0	2.9
	2.5	7.3	0.0	3.1	0.0	0.0	
	1.8	0.3	0.0	0.3	0.0	0.0	
3	274	38	2	31	4	19	368
	74.5	10.3	0.5	8.4	1.1	5.2	97.1
	97.5	92.7	100.0	96.9	100.0	100.0	
	72.3	10.0	0.5	8.2	1.1	5.0	
COLUMN TOTAL	281	41	2	32	4	19	379
	74.1	10.8	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 3.75703 WITH 5 DEGREES OF FREEDOM, SIGNIFICANCE = 0.5849
CONTINGENCY COEFFICIENT = 0.09907

NUMBER OF MISSING OBSERVATIONS = 12

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * *

I095 BY POS

* PAG

I095	POS 1	2	3	4	5	6	ROW TOTAL
1	1	0	0	0	0	0	1
	100.0	0.0	0.0	0.0	0.0	0.0	0.3
	0.4	0.0	0.0	0.0	0.0	0.0	
	0.3	0.0	0.0	0.0	0.0	0.0	
2	28	3	0	3	0	1	35
	80.0	8.6	0.0	8.6	0.0	2.9	9.2
	10.0	7.3	0.0	9.4	0.0	5.3	
	7.4	0.8	0.0	0.8	0.0	0.3	
3	252	38	2	29	4	18	343
	73.5	11.1	0.6	8.5	1.2	5.2	90.5
	89.7	92.7	100.0	90.6	100.0	94.7	
	66.5	10.0	0.5	7.7	1.1	4.7	
COLUMN TOTAL	281	41	2	32	4	19	379
	74.1	10.8	0.5	8.4	1.1	5.0	100.0

RAW CHI SQUARE = 1.69337 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9982
CONTINGENCY COEFFICIENT = 0.06669

NUMBER OF MISSING OBSERVATIONS = 12

* CROSSTABULATION OF * * * * * * * * * * * * * * * *
I096 BY POS
* PAGE

I096	POS 1	2	3	4	5	6	ROW TOTAL
? COUNT	7	3	0	0	0	0	10
ROW PCT	70.0	30.0	0.0	0.0	0.0	0.0	2.7
COL PCT	2.5	7.3	0.0	0.0	0.0	0.0	
TOT PCT	1.9	0.8	0.0	0.0	0.0	0.0	
COUNT	273	38	2	30	4	18	366
ROW PCT	74.6	10.4	0.5	8.2	1.1	5.2	97.3
COL PCT	97.5	92.7	100.0	100.0	100.0	100.0	
TOT PCT	72.6	10.1	0.5	8.0	1.1	5.1	
COLUMN TOTAL	280	41	2	30	4	18	376
	74.5	10.9	0.5	8.0	1.1	5.1	100.0

RAW CHI SQUARE = 4.96572 WITH 5 DEGREES OF FREEDOM, SIGNIFICANCE = 0.4201
CONTINGENCY COEFFICIENT = 0.11417

NUMBER OF MISSING OBSERVATIONS = 15

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * * * *

* CROSSTABULATION OF * * * * * * * * * * * * * * * * * *

I098 BY POS

* * * * * * * * * * * * * * * * * * * \

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
I099 BY POS
* PA

I099	POS 1	2	3	4	5	6	ROW TOTAL
1	1	0	0	0	0	0	1
	100.0	0.0	0.0	0.0	0.0	0.0	0.3
	0.4	0.0	0.0	0.0	0.0	0.0	
	0.3	0.0	0.0	0.0	0.0	0.0	
2	40	5	0	2	1	2	50
	80.0	10.0	0.0	4.0	2.0	4.0	13.4
	14.3	12.2	0.0	6.9	25.0	10.5	
	10.7	1.3	0.0	0.5	0.3	0.5	
3	238	36	2	27	3	17	323
	73.7	11.1	0.6	8.4	0.9	5.3	86.4
	85.3	87.8	100.0	93.1	75.0	89.5	
	63.6	9.6	0.5	7.2	0.8	4.5	
COLUMN TOTAL	279	41	2	29	4	19	374
	74.6	11.0	0.5	7.8	1.1	5.1	100.0

RAW CHI SQUARE = 2.59677 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9894
CONTINGENCY COEFFICIENT = 0.08304

NUMBER OF MISSING OBSERVATIONS = 17

* CROSSTABULATION OF * * * * * * * * * * * * * * *

I100 BY POS

* * * * * * * * * * * * * * * * * * * \

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
I101 BY POS
* * * * * * * * * * * * * * * * * * * \

* CROSSTABULATION OF * * * * * * * * * * * * * * * * *
I102 BY POS
* * * * * * * * * * * * * * * * * * * \

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * *
I103 BY POS
* PAG

I103	POS	1	2	3	4	5	6	ROW TOTAL
	1	10	0	0	0	0	1	11
		90.9	0.0	0.0	0.0	0.0	9.1	2.9
		3.6	0.0	0.0	0.0	0.0	5.3	
		2.7	0.0	0.0	0.0	0.0	0.3	
	2	109	15	1	7	4	5	141
		77.3	10.6	0.7	5.0	2.8	3.5	37.7
		39.2	36.6	50.0	23.3	100.0	26.3	
		29.1	4.0	0.3	1.9	1.1	1.3	
	3	159	26	1	23	0	13	222
		71.6	11.7	0.5	10.4	0.0	5.9	59.4
		57.2	63.4	50.0	76.7	0.0	68.4	
		42.5	7.0	0.3	6.1	0.0	3.5	
COLUMN TOTAL		278	41	2	30	4	19	374
		74.3	11.0	0.5	8.0	1.1	5.1	100.0

RAW CHI SQUARE = 14.20869 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.1637
CONTINGENCY COEFFICIENT = 0.19131

NUMBER OF MISSING OBSERVATIONS = 17

* CROSSTABULATION OF * * * * * * * * * * * *

I104 BY POS

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STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * *
I105 BY POS
* PAG

I105	POS 1	2	3	4	5	6	ROW TOTAL
1	28	3	0	3	0	2	36
	77.8	8.3	0.0	8.3	0.0	5.6	10.7
	11.4	8.1	0.0	10.3	0.0	11.8	
	8.4	0.9	0.0	0.9	0.0	0.6	
2	137	17	0	10	3	7	174
	78.7	9.8	0.0	5.7	1.7	4.0	51.9
	55.7	45.9	0.0	34.5	75.0	41.2	
	40.9	5.1	0.0	3.0	0.9	2.1	
3	81	17	2	16	1	8	125
	64.8	13.6	1.6	12.8	0.8	6.4	37.3
	32.9	45.9	100.0	55.2	25.0	47.1	
	24.2	5.1	0.6	4.8	0.3	2.4	
COLUMN TOTAL	246	37	2	29	4	17	335
	73.4	11.0	0.6	8.7	1.2	5.1	100.0

RAW CHI SQUARE = 12.63698 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.2447
CONTINGENCY COEFFICIENT = 0.19066

NUMBER OF MISSING OBSERVATIONS = 56

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * *
I106 BY POS
* * * * * * * * * * * * * * * * * * * \

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * *
I107 BY POS
* PA

I107 \ POS	1	2	3	4	5	6	ROW TOTAL
1	4	1	0	0	0	0	5
	80.0	20.0	0.0	0.0	0.0	0.0	1.3
	1.4	2.5	0.0	0.0	0.0	0.0	
	1.1	0.3	0.0	0.0	0.0	0.0	
2	103	9	0	6	0	4	142
	84.4	7.4	0.0	4.9	0.0	3.3	32.4
	36.7	22.5	0.0	20.0	0.0	21.1	
	27.4	2.4	0.0	1.6	0.0	1.1	
3	174	30	2	24	4	15	249
	69.9	12.0	0.8	9.6	1.6	6.0	66.2
	61.9	75.0	100.0	80.0	100.0	78.9	
	46.3	8.0	0.5	6.4	1.1	4.0	
COLUMN TOTAL	281	40	2	30	4	19	376
	74.7	10.6	0.5	8.0	1.1	5.1	100.0

RAW CHI SQUARE = 11.66290 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.3083
CONTINGENCY COEFFICIENT = 0.17345

NUMBER OF MISSING OBSERVATIONS = 15

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * *
I108 BY POS
* * * * * * * * * * * * * * * * * * * \

FILE QUEST. (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * *
I109 BY POS
* PA

I109	POS 1	2	3	4	5	6	ROW TOTAL
1	4	1	0	0	0	0	5
	80.0	20.0	0.0	0.0	0.0	0.0	1.3
	1.4	2.5	0.0	0.0	0.0	0.0	
	1.1	0.3	0.0	0.0	0.0	0.0	
2	113	13	1	7	0	6	140
	80.7	9.3	0.7	5.0	0.0	4.3	37.2
	40.2	32.5	50.0	23.3	0.0	31.6	
	30.1	3.5	0.3	1.9	0.0	1.6	
3	164	26	1	23	4	13	231
	71.0	11.3	0.4	10.0	1.7	5.6	61.4
	58.4	65.0	50.0	76.7	100.0	68.4	
	43.6	6.9	0.3	6.1	1.1	3.5	
COLUMN TOTAL	281	40	2	30	4	19	376
	74.7	10.6	0.5	8.0	1.1	5.1	100.0

RAW CHI SQUARE = 8.17866 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6114
CONTINGENCY COEFFICIENT = 0.14591

NUMBER OF MISSING OBSERVATIONS = 15

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PAG

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * * * *
I110 BY POS
* * * * * * * * * * * * * * * * * * * \

* CROSSTABULATION OF * * * * * * * * * * * *

I111 BY POS

* * * * * * * * * * * * * * * * * * * \

I112	POS 1	2	3	4	5	6	ROW TOTAL
1 COUNT	24	3	0	2	0	1	30
ROW PCT	80.0	10.0	0.0	6.7	0.0	3.3	8.0
COL PCT	8.5	7.7	0.0	6.7	0.0	5.6	
TOT PCT	6.4	0.8	0.0	0.5	0.0	0.3	
2 COUNT	156	22	1	11	2	9	201
ROW PCT	77.6	10.9	0.5	5.5	1.0	4.5	53.7
COL PCT	55.5	56.4	50.0	36.7	50.0	50.0	
TOT PCT	41.7	5.9	0.3	2.9	0.5	2.4	
3 COUNT	101	14	1	17	2	8	143
ROW PCT	70.6	9.8	0.7	11.9	1.4	5.6	38.2
COL PCT	35.9	35.9	50.0	56.7	50.0	44.4	
TOT PCT	27.0	3.7	0.3	4.5	0.5	2.1	
COLUMN TOTAL	281	39	2	30	4	18	374
	75.1	10.4	0.5	8.0	1.1	4.8	100.0

RAW CHI SQUARE = 6.19853 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.7983
CONTINGENCY COEFFICIENT = 0.12768

NUMBER OF MISSING OBSERVATIONS = 17

APPENDIX D

SCALE P: PERFORMANCE BY POSITION

3=VERY GOOD
2=ACCEPTABLE
1=INADEQUATE

1. SLP
2. S.E. DIRECTOR
3. S.D.E. CONSULTANT
4. PRINCIPAL
5. UNIVERSITY
6. OTHER

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

CROSSTABULATION OF POOL BY POS

PA

POOL	POS 1	2	3	4	5	6	ROW TOTAL
1	1	1	0	0	0	1	3
	33.3	33.3	0.0	0.0	0.0	33.3	0.8
	0.4	2.4	0.0	0.0	0.0	5.6	
	0.3	0.3	0.0	0.0	0.0	0.3	
2	101	11	2	11	2	7	134
	75.4	8.2	1.5	8.2	1.5	5.2	37.4
	38.7	26.8	100.0	34.4	50.0	38.9	
	28.2	3.1	0.6	3.1	0.6	2.0	
3	159	29	0	21	2	10	241
	71.9	13.1	0.0	9.5	0.9	4.5	61.7
	60.9	70.7	0.0	65.6	50.0	55.6	
	44.4	8.1	0.0	5.9	0.6	2.8	
COLUMN TOTAL	261	41	2	32	4	18	358
	72.9	11.5	0.6	8.9	1.1	5.0	100.0

RAW CHI SQUARE = 12.77058 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.2368
CONTINGENCY COEFFICIENT = 0.18559

NUMBER OF MISSING OBSERVATIONS = 33

P002 CROSSTABULATION OF BY POS PA

P002	POS 1	2	3	4	5	6	ROW TOTAL
1	8	2	0	2	0	1	13
	61.5	15.4	0.0	15.4	0.0	7.7	3.7
	3.1	4.8	0.0	6.5	0.0	5.9	
	2.3	0.6	0.0	0.6	0.0	0.3	
2	132	16	2	14	2	12	178
	74.2	9.0	1.1	7.9	1.1	6.7	50.4
	51.2	38.1	100.0	45.2	66.7	70.6	
	37.4	4.5	0.6	4.0	0.6	3.4	
3	118	24	0	15	1	4	162
	72.8	14.8	0.0	9.3	0.6	2.5	45.9
	45.7	57.1	0.0	48.4	33.3	23.5	
	33.4	6.8	0.0	4.2	0.3	1.1	
COLUMN TOTAL	258	42	2	31	3	17	353
	73.1	11.9	0.6	8.8	0.8	4.8	100.0

RAW CHI SQUARE = 9.46499 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.4886
CONTINGENCY COEFFICIENT = 0.16159

NUMBER OF MISSING OBSERVATIONS = 38

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P003 BY POS
* * * * * * * * * * * * * * * * * * * \

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

CROSSTABULATION OF P004 BY POS

P004	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		4	0	0	0	0	0	4
		100.0	0.0	0.0	0.0	0.0	0.0	1.2
		1.6	0.0	0.0	0.0	0.0	0.0	
		1.2	0.0	0.0	0.0	0.0	0.0	
2		143	25	2	15	3	9	197
		72.6	12.7	1.0	7.6	1.5	4.6	56.8
		56.3	59.5	100.0	51.7	100.0	52.9	
		41.2	7.2	0.6	4.3	0.9	2.6	
3		107	17	0	14	0	8	146
		73.3	11.6	0.0	9.6	0.0	5.5	42.1
		42.1	40.5	0.0	48.3	0.0	47.1	
		30.8	4.9	0.0	4.0	0.0	2.3	
COLUMN TOTAL		254	42	2	29	3	17	347
		73.2	12.1	0.6	8.4	0.9	4.9	100.0

RAW CHI SQUARE = 5.84524 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.8281
CONTINGENCY COEFFICIENT = 0.12871

NUMBER OF MISSING OBSERVATIONS = 44

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * *
P005 BY POS
* PAG

P005	POS 1	2	3	4	5	6	ROW TOTAL
1	40	4	1	5	0	1	51
	78.4	7.8	2.0	9.8	0.0	2.0	14.6
	15.7	9.8	50.0	15.6	0.0	5.9	
	11.4	1.1	0.3	1.4	0.0	0.3	
2	123	10	0	12	3	8	156
	78.8	6.4	0.0	7.7	1.9	5.1	44.6
	48.2	24.4	0.0	37.5	100.0	47.1	
	35.1	2.9	0.0	3.4	0.9	2.3	
3	92	27	1	15	0	8	143
	64.3	18.9	0.7	10.5	0.0	5.6	40.9
	36.1	65.9	50.0	46.9	0.0	47.1	
	26.3	7.7	0.3	4.3	0.0	2.3	
COLUMN TOTAL	255	41	2	32	3	17	350
	72.9	11.7	0.6	9.1	0.9	4.9	100.0

RAW CHI SQUARE = 21.19713 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0198
CONTINGENCY COEFFICIENT = 0.23897

NUMBER OF MISSING OBSERVATIONS = 41

* CROSSTABULATION OF * * * * * * * * * * * *

P006 BY POS

* * * * * * * * * * * * * * * * * * * \

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P007 BY POS
* PAG

P007	POS 1	2	3	4	5	6	ROW TOTAL
1	2	0	0	1	0	0	3
	66.7	0.0	0.0	33.3	0.0	0.0	0.9
	0.8	0.0	0.0	3.2	0.0	0.0	
	0.6	0.0	0.0	0.3	0.0	0.0	
2	83	15	1	13	2	9	123
	67.5	12.2	0.8	10.6	1.6	7.3	35.0
	32.4	35.7	50.0	41.9	66.7	52.9	
	23.6	4.3	0.3	3.7	0.6	2.6	
3	171	27	1	17	1	8	225
	76.0	12.0	0.4	7.6	0.4	3.6	64.1
	66.8	64.3	50.0	54.8	33.3	47.1	
	48.7	7.7	0.3	4.8	0.3	2.3	
COLUMN TOTAL	256	42	2	31	3	17	351
	72.9	12.0	0.6	8.8	0.9	4.8	100.0

RAW CHI SQUARE = 8.04841 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6241
CONTINGENCY COEFFICIENT = 0.14972

NUMBER OF MISSING OBSERVATIONS = 40

* CROSSTABULATION OF * * * * * * * * * * * * * *

P008 BY POS

* * * * * * * * * * * * * * * * * * * \

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * *

P009 BY POS

* PAG

P009	POS 1	2	3	4	5	6	ROW TOTAL
1	17	2	0	2	0	0	21
	81.0	9.5	0.0	9.5	0.0	0.0	6.0
	6.7	4.9	0.0	6.3	0.0	0.0	
	4.8	0.6	0.0	0.6	0.0	0.0	
2	155	18	2	18	3	11	207
	74.9	8.7	1.0	8.7	1.4	5.3	59.0
	60.8	43.9	100.0	56.3	75.0	64.7	
	44.2	5.1	0.6	5.1	0.9	3.1	
3	83	21	0	12	1	6	143
	67.5	17.1	0.0	9.8	0.8	4.9	35.0
	32.5	51.2	0.0	37.5	25.0	35.3	
	23.6	6.0	0.0	3.4	0.3	1.7	
COLUMN TOTAL	255	41	2	32	4	17	351
	72.6	11.7	0.6	9.1	1.1	4.8	100.0

RAW CHI SQUARE = 8.64936 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.5657
CONTINGENCY COEFFICIENT = 0.15508

NUMBER OF MISSING OBSERVATIONS = 40

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * * *
P010 BY POS
* PAG

P010	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT 12	2	1	0	0	0	15
	ROW PCT 80.0	13.3	6.7	0.0	0.0	0.0	4.2
	COL PCT 4.6	4.8	50.0	0.0	0.0	0.0	
	TOT PCT 3.4	0.6	0.3	0.0	0.0	0.0	
2	COUNT 132	20	1	13	3	11	180
	ROW PCT 73.3	11.1	0.6	7.2	1.7	6.1	51.0
	COL PCT 51.0	47.6	50.0	43.3	75.0	68.8	
	TOT PCT 37.4	5.7	0.3	3.7	0.8	3.1	
3	COUNT 115	20	0	17	1	5	158
	ROW PCT 72.8	12.7	0.0	10.8	0.6	3.2	44.8
	COL PCT 44.4	47.6	0.0	56.7	25.0	31.3	
	TOT PCT 32.6	5.7	0.0	4.8	0.3	1.4	
COLUMN TOTAL	259	42	2	30	4	16	353
	73.4	11.9	0.6	8.5	1.1	4.5	100.0

RAW CHI SQUARE = 16.90390 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0765
CONTINGENCY COEFFICIENT = 0.21377

NUMBER OF MISSING OBSERVATIONS = 38

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P011 BY POS
* PA

P011	POS COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
1		14	1	1	0	0	0	16
		87.5	6.3	6.3	0.0	0.0	0.0	4.6
		5.5	2.4	50.0	0.0	0.0	0.0	
		4.0	0.3	0.3	0.0	0.0	0.0	
2		117	15	1	12	4	7	156
		75.0	9.6	0.6	7.7	2.6	4.5	44.6
		45.7	35.7	50.0	38.7	100.0	46.7	
		33.4	4.3	0.3	3.4	1.1	2.0	
3		125	26	0	19	0	8	178
		70.2	14.6	0.0	10.7	0.0	4.5	50.9
		48.8	61.9	0.0	61.3	0.0	53.3	
		35.7	7.4	0.0	5.4	0.0	2.3	
COLUMN TOTAL		256	42	2	31	4	15	350
		73.1	12.0	0.6	8.9	1.1	4.3	100.0

RAW CHI SQUARE = 20.99150 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0212
CONTINGENCY COEFFICIENT = 0.23787

NUMBER OF MISSING OBSERVATIONS = 41

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P012 BY POS
* PA

P012	POS 1	2	3	4	5	6	ROW TOTAL
1	21	3	0	1	0	0	25
	84.0	12.0	0.0	4.0	0.0	0.0	7.2
	8.2	7.7	0.0	3.3	0.0	0.0	
	6.1	0.9	0.0	0.3	0.0	0.0	
2	117	22	1	16	2	10	168
	69.6	13.1	0.6	9.5	1.2	6.0	48.6
	45.5	56.4	50.0	53.3	50.0	71.4	
	33.8	6.4	0.3	4.6	0.6	2.9	
3	119	14	1	13	2	4	153
	77.8	9.2	0.7	8.5	1.3	2.6	44.2
	46.3	35.9	50.0	43.3	50.0	28.6	
	34.4	4.0	0.3	3.8	0.6	1.2	
COLUMN TOTAL	257	39	2	30	4	14	346
	74.3	11.3	0.6	8.7	1.2	4.0	100.0

RAW CHI SQUARE = 6.72679 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.7510
CONTINGENCY COEFFICIENT = 0.13810

NUMBER OF MISSING OBSERVATIONS = 45

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * *
P013 BY POS
* PAG

P013	POS 1	2	3	4	5	6	ROW TOTAL
1	19	3	0	0	1	0	23
	82.6	13.0	0.0	0.0	4.3	0.0	6.5
	7.4	7.3	0.0	0.0	25.0	0.0	
	5.4	0.3	0.0	0.0	0.3	0.0	
2	123	14	2	14	2	8	163
	75.5	8.6	1.2	8.6	1.2	4.9	46.0
	47.7	34.1	100.0	43.8	50.0	47.1	
	34.7	4.0	0.6	4.0	0.6	2.3	
3	116	24	0	18	1	9	168
	69.0	14.3	0.0	10.7	0.6	5.4	47.5
	45.0	58.5	0.0	56.3	25.0	52.9	
	32.8	6.8	0.0	5.1	0.3	2.5	
COLUMN TOTAL	258	41	2	32	4	17	354
	72.9	11.6	0.6	9.0	1.1	4.8	100.0

RAW CHI SQUARE = 11.89259 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.2923
CONTINGENCY COEFFICIENT = 0.18029

NUMBER OF MISSING OBSERVATIONS = 37

P014 / POS	1	2	3	4	5	6	ROW TOTAL
1	35	10	0	4	0	1	50
	70.0	20.0	0.0	8.0	0.0	2.0	14.2
	13.6	24.4	0.0	12.5	0.0	5.9	
	9.9	2.8	0.0	1.1	0.0	0.3	
2	157	22	2	19	4	10	214
	73.4	10.3	0.9	8.9	1.9	4.7	60.6
	61.1	53.7	100.0	59.4	100.0	58.8	
	44.5	6.2	0.6	5.4	1.1	2.8	
3	65	9	0	9	0	6	89
	73.0	10.1	0.0	10.1	0.0	6.7	25.2
	25.3	22.0	0.0	28.1	0.0	35.3	
	18.4	2.5	0.0	2.5	0.0	1.7	
COLUMN TOTAL	257	41	2	32	4	17	353
	72.8	11.6	0.6	9.1	1.1	4.8	100.0

RAW CHI SQUARE = 9.18505 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.5146
CONTINGENCY COEFFICIENT = 0.15925

NUMBER OF MISSING OBSERVATIONS = 38

* CROSSTABULATION OF *
P015 BY POS
* * * * * * * * * * * * * * * * * * * \

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F *
P016 BY POS
* * * * * * * * * * * * * * * * * * * \

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * * * *

* CROSSTABULATION OF * * * * * * * * * * * *

P018 BY POS

* PAG

P018	POS 1	2	3	4	5	6	ROW TOTAL
1	22	5	1	2	0	1	31
	71.0	16.1	3.2	6.5	0.0	3.2	8.8
	8.5	11.9	50.0	6.9	0.0	5.9	
	6.3	1.4	0.3	0.6	0.0	0.3	
2	124	18	1	11	3	11	168
	73.8	10.7	0.6	6.5	1.8	6.5	47.7
	48.1	42.9	50.0	37.9	75.0	64.7	
	35.2	5.1	0.3	3.1	0.9	3.1	
3	112	19	0	16	1	5	153
	73.2	12.4	0.0	10.5	0.7	3.3	43.5
	43.4	45.2	0.0	55.2	25.0	29.4	
	31.8	5.4	0.0	4.5	0.3	1.4	
COLUMN TOTAL	258	42	2	29	4	17	352
	73.3	11.9	0.6	8.2	1.1	4.8	100.0

RAW CHI SQUARE = 10.32241 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.4127
CONTINGENCY COEFFICIENT = 0.16879

NUMBER OF MISSING OBSERVATIONS = 39

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * *

P019 BY PDS

* PAG

P019	PDS 1	2	3	4	5	6	ROW TOTAL
1	12	4	1	0	0	0	17
	70.6	23.5	5.9	0.0	0.0	0.0	4.9
	4.8	9.8	50.0	0.0	0.0	0.0	
	3.4	1.1	0.3	0.0	0.0	0.0	
2	105	12	1	13	2	10	143
	73.4	8.4	0.7	9.1	1.4	7.0	41.1
	41.7	29.3	50.0	40.6	50.0	58.8	
	30.2	3.4	0.3	3.7	0.6	2.9	
3	135	25	0	19	2	7	188
	71.8	13.3	0.0	10.1	1.1	3.7	54.0
	53.6	61.0	0.0	59.4	50.0	41.2	
	38.8	7.2	0.0	9.5	0.6	2.0	
COLUMN TOTAL	252	41	2	32	4	17	348
	72.4	11.8	0.6	9.2	1.1	4.9	100.0

RAW CHI SQUARE = 17.91246 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0565
CONTINGENCY COEFFICIENT = 0.22125

NUMBER OF MISSING OBSERVATIONS = 43

* CROSSTABULATION OF *

P020 BY POS

P020	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		3	0	0	1	0	1	5
		60.0	0.0	0.0	20.0	0.0	20.0	1.4
		1.1	0.0	0.0	3.1	0.0	5.9	
		0.8	0.0	0.0	0.3	0.0	0.3	
2		99	17	1	12	4	8	141
		70.2	12.1	0.7	8.5	2.8	5.7	39.4
		37.9	40.5	50.0	37.5	100.0	47.1	
		27.7	4.7	0.3	3.4	1.1	2.2	
3		159	25	1	19	0	8	212
		75.0	11.8	0.5	9.0	0.0	3.8	59.2
		60.9	59.5	50.0	59.4	0.0	47.1	
		44.4	7.0	0.3	5.3	0.0	2.2	
COLUMN TOTAL		261	42	2	32	4	17	358
		72.9	11.7	0.6	8.9	1.1	4.7	100.0

RAW CHI SQUARE = 11.09304 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.3503
CONTINGENCY COEFFICIENT = 0.17336

NUMBER OF MISSING OBSERVATIONS = 33

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * * * *

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * *

P022 BY POS

* PAG

P022	POS 1	2	3	4	5	6	ROW TOTAL
1	22	3	0	3	0	2	30
	73.3	10.0	0.0	10.0	0.0	6.7	8.5
	8.5	7.5	0.0	9.7	0.0	11.8	
	6.3	0.9	0.0	0.9	0.0	0.6	
2	131	22	2	15	4	12	186
	70.4	11.8	1.1	8.1	2.2	6.5	52.8
	50.8	55.0	100.0	48.4	100.0	70.6	
	37.2	6.3	0.6	4.3	1.1	3.4	
3	105	15	0	13	0	3	136
	77.2	11.0	0.0	9.6	0.0	2.2	38.6
	40.7	37.5	0.0	41.9	0.0	17.6	
	29.8	4.3	0.0	3.7	0.0	0.9	
COLUMN TOTAL	258	40	2	31	4	17	352
	73.3	11.4	0.6	8.8	1.1	4.8	100.0

RAW CHI SQUARE = 9.35826 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.4985
CONTINGENCY COEFFICIENT = 0.16093

NUMBER OF MISSING OBSERVATIONS = 39

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * * * *

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PAG

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE-ANALYSIS-FOR-PROJECT-SECT

* CROSSTABULATION OF * * * * * * * * * * * * * *
P024 BY POS
* PAG

P024 / POS	1	2	3	4	5	6	ROW TOTAL
1	15	1	0	1	0	0	17
	88.2	5.9	0.0	5.9	0.0	0.0	4.9
	5.9	2.4	0.0	3.1	0.0	0.0	
	4.3	0.3	0.0	0.3	0.0	0.0	
2	142	28	1	13	4	9	197
	72.1	14.2	0.5	6.6	2.0	4.6	56.4
	56.1	68.3	50.0	40.6	100.0	52.9	
	40.7	8.0	0.3	3.7	1.1	2.6	
3	96	12	1	18	0	8	135
	71.1	8.9	0.7	13.3	0.0	5.9	38.7
	37.9	29.3	50.0	56.3	0.0	47.1	
	27.5	3.4	0.3	5.2	0.0	2.3	
COLUMN TOTAL	253	41	2	32	4	17	349
	72.5	11.7	0.6	9.2	1.1	4.9	100.0

RAW CHI SQUARE = 11.68848 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.3064
CONTINGENCY COEFFICIENT = 0.18002

0 337 NUMBER OF MISSING OBSERVATIONS = 42

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P025 BY POS
* PA

P025	POS 1	2	3	4	5	6	ROW TOTAL
1	9	3	0	0	0	0	12
	75.0	25.0	0.0	0.0	0.0	0.0	3.4
	3.5	7.5	0.0	0.0	0.0	0.0	
	2.6	0.9	0.0	0.0	0.0	0.0	
2	147	21	2	17	3	9	199
	73.9	10.6	1.0	8.5	1.5	4.5	56.9
	57.2	52.5	100.0	54.8	100.0	52.9	
	42.0	6.0	0.6	4.9	0.9	2.6	
3	101	16	0	14	0	8	139
	72.7	11.5	0.0	10.1	0.0	5.8	39.7
	39.3	40.0	0.0	45.2	0.0	47.1	
	28.9	4.6	0.0	4.0	0.0	2.3	
COLUMN TOTAL	257	40	2	31	3	17	350
	73.4	11.4	0.6	8.9	0.9	4.9	100.0

RAW CHI SQUARE = 8.05897 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6231
CONTINGENCY COEFFICIENT = 0.15002

NUMBER OF MISSING OBSERVATIONS = 41

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *

P026 BY POS

* PAG

P026	POS 1	2	3	4	5	6	ROW TOTAL
1	3	0	0	0	0	0	3
	100.0	0.0	0.0	0.0	0.0	0.0	0.9
	1.2	0.0	0.0	0.0	0.0	0.0	
	0.9	0.0	0.0	0.0	0.0	0.0	
2	130	15	1	13	3	8	170
	76.5	8.8	0.6	7.6	1.8	4.7	48.3
	50.4	36.6	50.0	41.9	100.0	47.1	
	36.9	4.3	0.3	3.7	0.9	2.3	
3	125	26	1	18	0	9	179
	69.8	14.5	0.6	10.1	0.0	5.0	50.9
	48.4	63.4	50.0	58.1	0.0	52.9	
	35.5	7.4	0.3	5.1	0.0	2.6	
COLUMN TOTAL	258	41	2	31	3	17	352
	73.3	11.6	0.6	8.8	0.9	4.8	100.0

RAW CHI SQUARE = 7.84062 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6444
CONTINGENCY COEFFICIENT = 0.14761

NUMBER OF MISSING OBSERVATIONS = 39

341

342

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * * * *

* CROSSTABULATION OF * * * * * * * * * * * * * * * * * * *

P028 BY POS

* PA

P028	POS 1	2	3	4	5	6	ROW TOTAL
1	16	6	0	3	0	1	26
	61.5	23.1	0.0	11.5	0.0	3.8	7.6
	6.4	15.0	0.0	9.7	0.0	5.9	
	4.7	1.7	0.0	0.9	0.0	0.3	
2	147	19	1	17	2	11	197
	74.6	9.6	0.5	8.6	1.0	5.6	57.4
	58.8	47.5	50.0	54.8	66.7	64.7	
	42.9	5.5	0.3	5.0	0.6	3.2	
3	87	15	1	11	1	5	120
	72.5	12.5	0.8	9.2	0.8	4.2	35.0
	34.8	37.5	50.0	35.5	33.3	29.4	
	25.4	4.4	0.3	3.2	0.3	1.5	
COLUMN TOTAL	250	40	2	31	3	17	343
	72.9	11.7	0.6	9.0	0.9	5.0	100.0

RAW CHI SQUARE = 5.37230 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.8650
CONTINGENCY COEFFICIENT = 0.12418

NUMBER OF MISSING OBSERVATIONS = 48

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * * *
P029 BY POS
* PA

P029	POS 1	2	3	4	5	6	ROW TOTAL
1	21	4	0	0	0	2	27
	77.8	14.8	0.0	0.0	0.0	7.4	7.7
	8.2	9.8	0.0	0.0	0.0	11.8	
	6.0	1.1	0.0	0.0	0.0	0.6	
2	124	23	2	16	3	7	175
	70.9	13.1	1.1	9.1	1.7	4.0	49.9
	48.2	56.1	100.0	51.6	100.0	41.2	
	35.3	6.6	0.6	4.6	0.9	2.0	
3	112	14	0	15	0	8	149
	75.2	9.4	0.0	10.1	0.0	5.4	42.5
	43.6	34.1	0.0	48.4	0.0	47.1	
	31.9	4.0	0.0	4.3	0.0	2.3	
COLUMN TOTAL	257	41	2	31	3	17	351
	73.2	11.7	0.6	8.8	0.9	4.8	100.0

RAW CHI SQUARE = 9.89872 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.4494
CONTINGENCY COEFFICIENT = 0.16561

NUMBER OF MISSING OBSERVATIONS = 40

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * *
P030 BY POS
* PAG

P030	POS COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
1		18	5	0	1	0	2	26
		69.2	19.2	0.0	3.8	0.0	7.7	7.5
		7.0	12.2	0.0	3.4	0.0	12.5	
		5.2	1.4	0.0	0.3	0.0	0.6	
2		146	24	2	20	3	8	203
		71.9	11.8	1.0	9.9	1.5	3.9	58.5
		57.0	58.5	100.0	69.0	100.0	50.0	
		42.1	6.9	0.6	5.3	0.9	2.3	
3		92	12	0	8	0	6	118
		78.0	10.2	0.0	6.8	0.0	5.1	34.0
		35.9	29.3	0.0	27.6	0.0	37.5	
		26.5	3.5	0.0	2.3	0.0	1.7	
COLUMN TOTAL		256	41	2	29	3	16	347
		73.8	11.8	0.6	8.4	0.9	4.6	100.0

RAW CHI SQUARE = 7.79349 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6490
CONTINGENCY COEFFICIENT = 0.14821

NUMBER OF MISSING OBSERVATIONS = 44

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * *
P031 BY POS
* * * * * * * * * * * * * * * * * * * \

P032	POS	1	2	3	4	5	6	ROW TOTAL
1	COUNT	3	1	0	0	0	0	4
	ROW PCT	75.0	25.0	0.0	0.0	0.0	0.0	1.1
	COL PCT	1.2	2.4	0.0	0.0	0.0	0.0	
	TOT PCT	0.9	0.3	0.0	0.0	0.0	0.0	
2	COUNT	67	11	1	14	2	7	102
	ROW PCT	65.7	10.8	1.0	13.7	2.0	6.9	29.2
	COL PCT	26.2	26.2	50.0	48.3	50.0	43.8	
	TOT PCT	19.2	3.2	0.3	4.0	0.6	2.0	
3	COUNT	186	30	1	15	2	9	243
	ROW PCT	76.5	12.3	0.4	6.2	0.8	3.7	69.6
	COL PCT	72.7	71.4	50.0	51.7	50.0	56.3	
	TOT PCT	53.3	8.6	0.3	4.3	0.6	2.6	
COLUMN TOTAL		256 73.4	42 12.0	2 0.6	29 8.3	4 1.1	16 4.6	349 100.0

RAW CHI SQUARE = 10.17093 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.4256
CONTINGENCY COEFFICIENT = 0.16828

NUMBER OF MISSING OBSERVATIONS = 42

* CROSSTABULATION OF * * * * * * * * * * * *

P033 BY POS

* PAG

P033	POS 1	2	3	4	5	6	ROW TOTAL
1	11	4	1	0	0	1	17
	64.7	23.5	5.9	0.0	0.0	5.9	4.8
	4.3	9.5	50.0	0.0	0.0	5.9	
	3.1	1.1	0.3	0.0	0.0	0.3	
2	120	16	1	14	1	10	162
	74.1	9.9	0.6	8.6	0.6	6.2	46.2
	46.9	38.1	50.0	45.2	33.3	58.8	
	34.2	4.6	0.3	4.0	0.3	2.8	
3	125	22	0	17	2	6	172
	72.7	12.8	0.0	9.9	1.2	3.5	49.0
	48.8	52.4	0.0	54.8	66.7	35.3	
	35.6	6.3	0.0	4.8	0.6	1.7	
COLUMN TOTAL	256	42	2	31	3	17	351
	72.9	12.0	0.6	8.8	0.9	4.8	100.0

RAW C-II SQUARE = 15.63138 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.1107
CONTINGENCY COEFFICIENT = 0.20648

NUMBER OF MISSING OBSERVATIONS = 40

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * *
P034 BY POS
* PA

P034 / POS	1	2	3	4	5	6	ROW TOTAL
1	10	3	0	2	0	0	15
	66.7	20.0	0.0	13.3	0.0	0.0	4.2
	3.8	7.1	0.0	6.5	0.0	0.0	
	2.8	0.8	0.0	0.6	0.0	0.0	
2	121	20	2	12	2	12	169
	71.6	11.8	1.2	7.1	1.2	7.1	47.5
	46.5	47.6	100.0	38.7	50.0	70.6	
	34.0	5.6	0.6	3.4	0.6	3.4	
3	129	19	0	17	2	5	172
	75.0	11.0	0.0	9.9	1.2	2.9	48.3
	49.6	45.2	0.0	54.8	50.0	29.4	
	36.2	5.3	0.0	4.8	0.6	1.4	
COLUMN TOTAL	260	42	2	31	4	17	356
	73.0	11.8	0.6	8.7	1.1	4.8	100.0

RAW CHI SQUARE = 8.57933 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.5724
CONTINGENCY COEFFICIENT = 0.15340

NUMBER OF MISSING OBSERVATIONS = 35

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST. (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P035 BY POS
* PA

P035	POS 1	2	3	4	5	6	ROW TOTAL
1	6	1	0	2	0	1	10
	60.0	10.0	0.0	20.0	0.0	10.0	2.8
	2.3	2.4	0.0	6.5	0.0	5.9	
	1.7	0.3	0.0	0.6	0.0	0.3	
2	146	22	1	12	1	10	192
	76.0	11.5	0.5	6.3	0.5	5.2	54.7
	56.8	52.4	50.0	38.7	50.0	58.8	
	41.6	6.3	0.3	3.4	0.3	2.8	
3	105	19	1	17	1	6	149
	70.5	12.8	0.7	11.4	0.7	4.0	42.5
	40.9	45.2	50.0	54.8	50.0	35.3	
	29.9	5.4	0.3	4.8	0.3	1.7	
COLUMN TOTAL	257	42	2	31	2	17	351
	73.2	12.0	0.6	8.8	0.6	4.8	100.0

RAW CHI SQUARE = 5.72488 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.8378
CONTINGENCY COEFFICIENT = 0.12668

NUMBER OF MISSING OBSERVATIONS = 40

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * *
P036 BY POS
* PAG

P036	POS 1	2	3	4	5	6	ROW TOTAL
1	5	0	0	1	0	0	6
	83.3	0.0	0.0	16.7	0.0	0.0	1.7
	1.9	0.0	0.0	3.3	0.0	0.0	
	1.4	0.0	0.0	0.3	0.0	0.0	
2	127	22	1	12	2	8	172
	73.8	12.8	0.6	7.0	1.2	4.7	48.9
	49.2	53.7	50.0	40.0	50.0	47.1	
	36.1	6.3	0.3	3.4	0.6	2.3	
3	126	19	1	17	2	9	174
	72.4	10.9	0.6	9.8	1.1	5.2	49.4
	48.8	46.3	50.0	56.7	50.0	52.9	
	35.8	5.4	0.3	4.8	0.6	2.6	
COLUMN TOTAL	258	41	2	30	4	17	352
	73.3	11.6	0.6	8.5	1.1	4.8	100.0

RAW CHI SQUARE = 2.79345 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9859
CONTINGENCY COEFFICIENT = 0.08873

NUMBER OF MISSING OBSERVATIONS = 39

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * * *
P037 BY POS
* PA

P037	POS							ROW TOTAL
	1	2	3	4	5	6		
1	2	1	0	0	0	0		3
	66.7	33.3	0.0	0.0	0.0	0.0		0.8
	0.8	2.4	0.0	0.0	0.0	0.0		
	0.6	0.3	0.0	0.0	0.0	0.0		
2	114	18	1	10	1	7		151
	75.5	11.9	0.7	6.6	0.7	4.6		42.7
	44.2	42.9	50.0	31.3	33.3	41.2		
	32.2	5.1	0.3	2.8	0.3	2.0		
3	142	23	1	22	2	10		200
	71.0	11.5	0.5	11.0	1.0	5.0		56.5
	55.0	54.8	50.0	68.8	66.7	58.8		
	40.1	6.5	0.3	6.2	0.6	2.8		
COLUMN TOTAL	258	42	2	32	3	17		354
	72.9	11.9	0.6	9.0	0.8	4.8		100.0

RAW CHI SQUARE = 3.90810 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9514
CONTINGENCY COEFFICIENT = 0.10450

NUMBER OF MISSING OBSERVATIONS = 37

* CROSSTABULATION OF * * * * * * * * * * * *

P038 BY POS

* * * * * * * * * * * * * * * * * * * \

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * *

P039 BY POS

* PA

P039	POS 1	2	3	4	5	6	ROW TOTAL
1	4	3	0	1	0	0	8
	50.0	37.5	0.0	12.5	0.0	0.0	2.3
	1.6	7.1	0.0	3.3	0.0	0.0	
	1.2	0.9	0.0	0.3	0.0	0.0	
2	136	25	1	14	2	11	189
	72.0	13.2	0.5	7.4	1.1	5.8	54.6
	54.0	59.5	50.0	46.7	66.7	64.7	
	39.3	7.2	0.3	4.0	0.6	3.2	
3	112	14	1	15	1	6	149
	75.2	9.4	0.7	10.1	0.7	4.0	43.1
	44.4	33.3	50.0	50.0	33.3	35.3	
	32.4	4.0	0.3	4.3	0.3	1.7	
COLUMN TOTAL	252	42	2	30	3	17	346
	72.8	12.1	0.6	8.7	0.9	4.9	100.0

RAW CHI SQUARE = 8.10830 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6183
CONTINGENCY COEFFICIENT = 0.15132

NUMBER OF MISSING OBSERVATIONS = 45

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P040 BY POS

P040	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		4	1	1	0	0	1	7
		57.1	14.3	14.3	0.0	0.0	14.3	2.0
		1.6	2.4	50.0	0.0	0.0	5.9	
		1.1	0.3	0.3	0.0	0.0	0.3	
2		121	20	1	11	2	8	163
		74.2	12.3	0.6	6.7	1.2	4.9	46.4
		47.3	47.6	50.0	35.5	66.7	47.1	
		34.5	5.7	0.3	3.1	0.6	2.3	
3		131	21	0	20	1	8	181
		72.4	11.6	0.0	11.0	0.6	4.4	51.6
		51.2	50.0	0.0	64.5	33.3	47.1	
		37.3	6.0	0.0	5.7	0.3	2.3	
COLUMN TOTAL		256	42	2	31	3	17	351
		72.9	12.0	0.6	8.8	0.9	4.8	100.0

RAW CHI SQUARE = 28.79881 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0013
CONTINGENCY COEFFICIENT = 0.27537

NUMBER OF MISSING OBSERVATIONS = 40

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * *
P041 BY POS
* P

P041	POS 1	2	3	4	5	6	ROW TOTAL
1	49	6	2	4	0	4	65
	75.4	9.2	3.1	6.2	0.0	6.2	18.5
	19.1	14.3	100.0	12.5	0.0	23.5	
	13.9	1.7	0.6	1.1	0.0	1.1	
2	161	28	0	16	3	11	219
	73.5	12.8	0.0	7.3	1.4	5.0	62.2
	62.9	66.7	0.0	50.0	100.0	64.7	
	45.7	8.0	0.0	4.5	0.9	3.1	
3	46	8	0	12	0	2	68
	67.6	11.8	0.0	17.6	0.0	2.9	19.3
	18.0	19.0	0.0	37.5	0.0	11.8	
	13.1	2.3	0.0	3.4	0.0	0.6	
COLUMN TOTAL	256	42	2	32	3	17	352
	72.7	11.9	0.6	9.1	0.9	4.8	100.0

RAW CHI SQUARE = 19.12389 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0387
CONTINGENCY COEFFICIENT = 0.22700

NUMBER OF MISSING OBSERVATIONS = 39

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * *

P042 BY POS

* P

P042	POS 1	2	3	4	5	6	ROW TOTAL
1	18	1	1	0	0	1	21
	85.7	4.8	4.8	0.0	0.0	4.8	6.1
	7.1	2.4	50.0	0.0	0.0	5.9	
	5.2	0.3	0.3	0.0	0.0	0.3	
2	144	27	1	18	3	10	203
	70.9	13.3	0.5	8.9	1.5	4.9	58.5
	56.9	64.3	50.0	60.0	100.0	58.8	
	41.5	7.8	0.3	5.2	0.9	2.9	
3	91	14	0	12	0	6	123
	74.0	11.4	0.0	9.8	0.0	4.9	35.4
	36.0	33.3	0.0	40.0	0.0	35.3	
	26.2	4.0	0.0	3.5	0.0	1.7	
COLUMN TOTAL	253	42	2	30	3	17	347
	72.9	12.1	0.6	8.6	0.9	4.9	100.0

RAW CHI SQUARE = 13.07692 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.2194
CONTINGENCY COEFFICIENT = 0.19057

NUMBER OF MISSING OBSERVATIONS = 44

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * *
P043 BY POS
* PAG

P043	POS 1	2	3	4	5	6	ROW TOTAL
1	38	4	1	0	0	1	44
	86.4	9.1	2.3	0.0	0.0	2.3	12.7
	15.1	9.5	50.0	0.0	0.0	5.9	
	11.0	1.2	0.3	0.0	0.0	0.3	
2	141	25	1	14	3	8	192
	73.4	13.0	0.5	7.3	1.6	4.2	55.5
	56.2	59.5	50.0	45.2	100.0	47.1	
	40.8	7.2	0.3	4.0	0.9	2.3	
3	72	13	0	17	0	8	110
	65.5	11.8	0.0	15.5	0.0	7.3	31.8
	28.7	31.0	0.0	54.8	0.0	47.1	
	20.8	3.8	0.0	4.9	0.0	2.3	
COLUMN TOTAL	251	42	2	31	3	17	346
	72.5	12.1	0.6	9.0	0.9	4.9	100.0

RAW CHI SQUARE = 19.45595 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0348
CONTINGENCY COEFFICIENT = 0.23073

NUMBER OF MISSING OBSERVATIONS = 45

375

376

P044 / POS	1	2	3	4	5	6	ROW TOTAL
1	5	2	0	1	0	1	9
	55.6	22.2	0.0	11.1	0.0	11.1	2.6
	2.0	4.8	0.0	3.2	0.0	5.9	
	1.4	0.6	0.0	0.3	0.0	0.3	
2	115	19	1	10	2	9	156
	73.7	12.2	0.6	6.4	1.3	5.8	44.7
	45.3	45.2	50.0	32.3	66.7	52.9	
	33.0	5.4	0.3	2.9	0.6	2.6	
3	134	21	1	20	1	7	184
	72.8	11.4	0.5	10.9	0.5	3.8	52.7
	52.8	50.0	50.0	64.5	33.3	41.2	
	38.4	6.0	0.3	5.7	0.3	2.0	
COLUMN TOTAL	254	42	2	31	3	17	349
	72.8	12.0	0.6	8.9	0.9	4.9	100.0

RAW CHI SQUARE = 5.25515 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.8735
CONTINGENCY COEFFICIENT = 0.12180

NUMBER OF MISSING OBSERVATIONS = 42

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * * *
P045 BY POS
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STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P046 BY POS
* PA

P046	POS 1	2	3	4	5	6	ROW TOTAL
1	7	3	0	2	0	0	12
	58.3	25.0	0.0	16.7	0.0	0.0	3.4
	2.8	7.1	0.0	6.5	0.0	0.0	
	2.0	0.9	0.0	0.6	0.0	0.0	
2	145	21	2	9	1	11	189
	76.7	11.1	1.1	4.8	0.5	5.8	54.2
	57.1	50.0	100.0	29.0	33.3	64.7	
	41.5	6.0	0.6	2.6	0.3	3.2	
3	102	18	0	20	2	6	148
	68.9	12.2	0.0	13.5	1.4	4.1	42.4
	40.2	42.9	0.0	64.5	66.7	35.3	
	29.2	5.2	0.0	5.7	0.6	1.7	
COLUMN TOTAL	254	42	2	31	3	17	349
	72.8	12.0	0.6	8.9	0.9	4.9	100.0

RAW CHI SQUARE = 14.45684 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.1532
CONTINGENCY COEFFICIENT = 0.19944

NUMBER OF MISSING OBSERVATIONS = 42

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P047 BY POS
* PA

P047	POS 1	2	3	4	5	6	ROW TOTAL
1	9	5	0	2	0	1	17
	52.9	29.4	0.0	11.8	0.0	5.9	5.0
	3.7	12.2	0.0	6.5	0.0	6.3	
	2.7	1.5	0.0	0.6	0.0	0.3	
2	154	18	2	12	2	10	198
	77.8	9.1	1.0	6.1	1.0	5.1	58.4
	62.6	43.9	100.0	38.7	66.7	62.5	
	45.4	5.3	0.6	3.5	0.6	2.9	
3	83	18	0	17	1	5	124
	66.9	14.5	0.0	13.7	0.8	4.0	36.6
	33.7	43.9	0.0	54.8	33.3	31.3	
	24.5	5.3	0.0	5.0	0.3	1.5	
COLUMN TOTAL	246	41	2	31	3	16	339
	72.6	12.1	0.6	9.1	0.9	4.7	100.0

RAW CHI SQUARE = 15.32852 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.1205
CONTINGENCY COEFFICIENT = 0.20799

NUMBER OF MISSING OBSERVATIONS = 52

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P048 BY POS

P048	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		4	1	0	0	0	0	5
		80.0	20.0	0.0	0.0	0.0	0.0	1.4
		1.6	2.4	0.0	0.0	0.0	0.0	
		1.1	0.3	0.0	0.0	0.0	0.0	
2		63	9	0	11	2	7	92
		68.5	9.8	0.0	12.0	2.2	7.6	26.1
		24.4	22.0	0.0	35.5	66.7	41.2	
		17.9	2.6	0.0	3.1	0.6	2.0	
3		191	31	2	20	1	10	255
		74.9	12.2	0.8	7.8	0.4	3.9	72.4
		74.0	75.6	100.0	64.5	33.3	58.8	
		54.3	8.8	0.6	5.7	0.3	2.8	
COLUMN TOTAL		258	41	2	31	3	17	352
		73.3	11.6	0.6	8.8	0.9	4.8	100.0

RAW CHI SQUARE = 8.25874 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6036
CONTINGENCY COEFFICIENT = 0.15141

NUMBER OF MISSING OBSERVATIONS = 39

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *

P049 BY POS

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* CROSSTABULATION OF *
P050 BY POS
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FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F *

P051 BY POS

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STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * *
P052 BY POS
* PAG

P052	POS 1	2	3	4	5	6	ROW TOTAL
1	10	3	0	0	0	2	15
	66.7	20.0	0.0	0.0	0.0	13.3	4.3
	3.9	7.1	0.0	0.0	0.0	11.8	
	2.8	.9	0.0	0.0	0.0	.6	
2	120	21	1	9	3	8	162
	74.1	13.0	0.6	5.6	1.9	4.9	46.2
	47.1	50.0	50.0	28.1	100.0	47.1	
	34.2	6.0	0.3	2.6	0.9	2.3	
7	125	18	1	23	0	7	174
	71.8	10.3	0.6	13.2	0.0	4.0	49.6
	49.0	42.9	50.0	71.9	0.0	41.2	
	35.6	5.1	0.3	9.6	0.0	2.0	
COL TOT	255	42	2	32	3	17	351
TOTAL	72.6	12.0	0.6	9.1	0.9	4.8	100.0

RAW CHI SQUARE = 14.36174 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.1571
CONTINGENCY COEFFICIENT = 0.19826

NUMBER OF MISSING OBSERVATIONS = 40

P053 \ POS	1	2	3	4	5	6	ROW TOTAL
1	26	7	0	2	0	1	36
	72.2	19.4	0.0	5.6	0.0	2.8	10.2
	10.1	17.1	0.0	6.3	0.0	5.9	
	7.4	2.0	0.0	0.6	0.0	0.3	
2	129	17	2	11	3	9	171
	75.4	9.9	1.2	6.4	1.8	5.3	48.4
	50.0	41.5	100.0	34.4	100.0	52.9	
	36.5	4.8	0.6	3.1	0.8	2.5	
3	103	17	0	19	0	7	146
	70.5	11.6	0.0	13.0	0.0	4.8	41.4
	39.9	41.5	0.0	59.4	0.0	41.2	
	29.2	4.8	0.0	5.4	0.0	2.0	
COLUMN TOTAL	258	41	2	32	3	17	353
	73.1	11.6	0.6	9.1	0.8	4.8	100.0

RAW CHI SQUARE = 12.58491 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.2478
CONTINGENCY COEFFICIENT = 0.18554

NUMBER OF MISSING OBSERVATIONS = 38

P054 \ POS	1	2	3	4	5	6	ROW TOTAL
1	10	0	0	2	0	1	13
	76.9	0.0	0.0	15.4	0.0	7.7	3.7
	4.0	0.0	0.0	6.5	0.0	5.9	
	2.9	0.0	0.0	0.6	0.0	0.3	
2	141	26	2	15	2	6	192
	73.4	13.5	1.0	7.8	1.0	3.1	55.2
	55.7	63.4	100.0	48.4	50.0	35.3	
	40.5	7.5	0.6	4.3	0.6	1.7	
3	102	15	0	14	2	10	143
	71.3	10.5	0.0	9.8	1.4	7.0	41.1
	40.3	36.6	0.0	45.2	50.0	58.8	
	29.3	4.3	0.0	4.0	0.6	2.9	
COLUMN TOTAL	253	41	2	31	4	17	348
	72.7	11.8	0.6	8.9	1.1	4.9	100.0

RAW CHI SQUARE = 7.91713 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6369
CONTINGENCY COEFFICIENT = 0.14915

NUMBER OF MISSING OBSERVATIONS = 43

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * *
P055 BY P05
* PAG

P055	P05 1	2	3	4	5	6	ROW TOTAL
1	COUNT	2	1	0	0	0	0	3
	ROW PCT	66.7	33.3	0.0	0.0	0.0	0.0	0.9
	COL PCT	0.8	2.4	0.0	0.0	0.0	0.0	
	TOT PCT	0.6	0.3	0.0	0.0	0.0	0.0	
2	COUNT	94	13	1	12	1	8	129
	ROW PCT	72.9	10.1	0.8	9.3	0.8	6.2	37.1
	COL PCT	37.0	31.7	50.0	38.7	33.3	47.1	
	TOT PCT	27.0	3.7	0.3	3.4	0.3	2.3	
3	COUNT	158	27	1	19	2	9	216
	ROW PCT	73.1	12.5	0.5	8.8	0.9	4.2	62.1
	COL PCT	62.2	65.9	50.0	61.3	66.7	52.9	
	TOT PCT	45.4	7.8	0.3	5.5	0.6	2.6	
COLUMN TOTAL		254	41	2	31	3	17	348
		73.0	11.8	0.6	8.9	0.9	4.9	100.0

RAW CHI SQUARE = 2.93969 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9828
CONTINGENCY COEFFICIENT = 0.09152

NUMBER OF MISSING OBSERVATIONS = 43

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * * *

P056 BY POS

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STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * *
P057 BY POS
* PA

P057	POS 1	2	3	4	5	6	ROW TOTAL
1	12	2	0	2	1	3	20
	60.0	10.0	0.0	10.0	5.0	15.0	5.8
	4.8	5.0	0.0	6.7	25.0	17.6	
	3.5	0.6	0.0	0.6	0.3	0.9	
2	138	21	1	16	2	9	187
	73.8	11.2	0.5	8.6	1.1	4.8	54.5
	55.2	52.5	50.0	53.3	50.0	52.9	
	40.2	6.1	0.3	4.7	0.6	2.6	
3	100	17	1	12	1	5	136
	73.5	12.5	0.7	8.8	0.7	3.7	39.7
	40.0	42.5	50.0	40.0	25.0	29.4	
	29.2	5.0	0.3	3.5	0.3	1.5	
COLUMN TOTAL	250	40	2	30	4	17	343
	72.9	11.7	0.6	8.7	1.2	5.0	100.0

RAW CHI SQUARE = 8.14668 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6145
CONTINGENCY COEFFICIENT = 0.15232

NUMBER OF MISSING OBSERVATIONS = 48

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P058 BY POS

* PAG

P058	POS 1	2	3	4	5	6	ROW TOTAL
1	28	6	1	4	1	5	45
	62.2	13.3	2.2	8.9	2.2	11.1	12.9
	11.0	14.6	50.0	13.3	25.0	29.4	
	8.0	1.7	0.3	1.1	0.3	1.4	
2	149	22	1	15	2	9	198
	75.3	11.1	0.5	7.6	1.0	4.5	56.7
	58.4	53.7	50.0	50.0	50.0	52.9	
	42.7	6.3	0.3	4.3	0.6	2.6	
3	78	13	0	11	1	3	106
	73.6	12.3	0.0	10.4	0.9	2.8	30.4
	30.6	31.7	0.0	36.7	25.0	17.6	
	22.3	3.7	0.0	3.2	0.3	0.9	
COLUMN TOTAL	255	41	2	30	4	17	349
	73.1	11.7	0.6	8.6	1.1	4.9	100.0

RAW CHI SQUARE = 9.51229 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.4843
CONTINGENCY COEFFICIENT = 0.16289

NUMBER OF MISSING OBSERVATIONS = 42

* CROSSTABULATION OF * * * * * * * * * * * * * * * * * * *

P059 BY POS

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* CROSSTABULATION OF * * * * * * * * * * * *

P060 BY POS

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P061 BY POS
* PAG

P061	POS 1	2	3	4	5	6	ROW TOTAL
1	23	4	0	6	0	2	35
	65.7	11.4	0.0	17.1	0.0	5.7	10.0
	8.9	9.8	0.0	20.0	0.0	11.8	
	6.6	1.1	0.0	1.7	0.0	0.6	
2	153	25	2	10	2	9	201
	76.1	12.4	1.0	5.0	1.0	4.5	57.3
	59.3	61.0	100.0	33.3	66.7	52.9	
	43.6	7.1	0.6	2.3	0.6	2.6	
3	82	12	0	14	1	6	115
	71.3	10.4	0.0	12.2	0.9	5.2	32.8
	31.8	29.3	0.0	46.7	33.3	35.3	
	23.4	3.4	0.0	4.0	0.3	1.7	
COLUMN TOTAL	258	41	2	30	3	17	351
	73.5	11.7	0.6	8.5	0.9	4.8	100.0

RAW CHI SQUARE = 10.58292 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.3909
CONTINGENCY COEFFICIENT = 0.17108

NUMBER OF MISSING OBSERVATIONS = 40

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * *

P062 BY POS

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STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * * *
P063 BY POS
* PAG

P063	POS 1	2	3	4	5	6	ROW TOTAL
1	100	14	1	12	1	4	132
	75.8	10.6	0.8	9.1	0.8	3.0	37.9
	39.7	34.1	50.0	37.5	25.0	23.5	
	28.7	4.0	0.3	3.4	0.3	1.1	
2	121	23	1	14	3	11	173
	69.9	13.3	0.6	8.1	1.7	6.4	49.7
	48.0	56.1	50.0	43.8	75.0	64.7	
	34.8	6.6	0.3	4.0	0.9	3.2	
3	31	4	0	6	0	2	43
	72.1	9.3	0.0	14.0	0.0	4.7	12.4
	12.3	9.8	0.0	18.8	0.0	11.8	
	8.9	1.1	0.0	1.7	0.0	0.6	
COLUMN TOTAL	252	41	2	32	4	17	348
	72.4	11.8	0.6	9.2	1.1	4.9	100.0

RAW CHI SQUARE = 5.56702 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.8502
CONTINGENCY COEFFICIENT = 0.12548

NUMBER OF MISSING OBSERVATIONS = 43

* CROSSTABULATION OF * * * * * * * * * * * *
P064 BY POS
* PAG

P064 \ POS	1	2	3	4	5	6	ROW TOTAL
1	13	5	1	1	0	1	21
	61.9	23.8	4.8	4.8	0.0	4.8	5.9
	5.0	11.9	50.0	3.1	0.0	5.9	
	3.7	1.4	0.3	0.3	0.0	0.3	
2	122	18	1	8	2	5	156
	78.2	11.5	0.6	5.1	1.3	3.2	44.1
	47.3	42.9	50.0	25.0	66.7	29.4	
	34.5	5.1	0.3	2.3	0.6	1.4	
3	123	19	0	23	1	11	177
	69.5	10.7	0.0	13.0	0.6	6.2	50.0
	47.7	45.2	0.0	71.9	33.3	64.7	
	34.7	5.4	0.0	6.5	0.3	3.1	
COLUMN TOTAL	258	42	2	32	3	17	354
	72.9	11.9	0.6	9.0	0.8	4.8	100.0

RAW CHI SQUARE = 19.91010 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0301
CONTINGENCY COEFFICIENT = 0.23076

NUMBER OF MISSING OBSERVATIONS = 37

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PAG

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * * * *
P065 BY POS PAG
* *

P065	POS 1	2	3	4	5	6	ROW TOTAL
1	13	3	1	2	0	1	20
	65.0	15.0	5.0	10.0	0.0	5.0	5.7
	5.1	7.1	50.0	6.5	0.0	5.9	
	3.7	0.9	0.3	0.6	0.0	0.3	
2	109	21	1	7	3	8	149
	73.2	14.1	0.7	4.7	2.0	5.4	42.3
	42.4	50.0	50.0	22.6	100.0	47.1	
	31.0	6.0	0.3	2.0	0.9	2.3	
3	135	18	0	22	0	8	183
	73.8	9.8	0.0	12.0	0.0	4.4	52.0
	52.5	42.9	0.0	71.0	0.0	47.1	
	38.4	5.1	0.0	6.3	0.0	2.3	
COLUMN TOTAL	257	42	2	31	3	17	352
	73.0	11.9	0.6	8.8	0.9	4.8	100.0

RAW CHI SQUARE = 18.88130 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0418
CONTINGENCY COEFFICIENT = 0.22563

NUMBER OF MISSING OBSERVATIONS = 39

P066	POS 1	2	3	4	5	6	ROW TOTAL
1	6	3	0	1	0	0	10
	60.0	30.0	0.0	10.0	0.0	0.0	2.8
	2.3	7.1	0.0	3.2	0.0	0.0	
	1.7	0.9	0.0	0.3	0.0	0.0	
2	103	15	1	7	2	7	135
	76.3	11.1	0.7	5.2	1.5	5.2	38.5
	40.2	35.7	50.0	22.6	66.7	41.2	
	29.3	4.3	0.3	2.0	0.6	2.0	
3	147	24	1	23	1	10	206
	71.4	11.7	0.5	11.2	0.5	4.9	58.7
	57.4	57.1	50.0	74.2	33.3	58.8	
	41.9	6.8	0.3	6.6	0.3	2.8	
COLUMN TOTAL	256	42	2	31	3	17	351
	72.9	12.0	0.6	8.8	0.9	4.8	100.0

RAW CHI SQUARE = 8.34762 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.5949
CONTINGENCY COEFFICIENT = 0.15241

NUMBER OF MISSING OBSERVATIONS = 40

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * *
P067 BY POS
* * * * * * * * * * * * * * * * * * * \

FILE QUEST (CREATION DATE = 03/13/79) - QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P068 BY POS
* PA

P068 / POS	1	2	3	4	5	6	ROW TOTAL
1	9	2	0	1	0	1	13
	69.2	15.4	0.0	7.7	0.0	7.7	3.9
	3.7	4.9	0.0	3.3	0.0	5.9	
	2.7	0.6	0.0	0.3	0.0	0.3	
2	113	21	2	13	2	7	158
	71.5	13.3	1.3	8.2	1.3	4.4	46.9
	46.5	51.2	100.0	43.3	50.0	41.2	
	33.5	6.2	0.6	3.9	0.6	2.1	
3	121	18	0	16	2	9	166
	72.9	10.8	0.0	9.6	1.2	5.4	49.3
	49.8	43.9	0.0	53.3	50.0	52.9	
	35.9	5.3	0.0	4.7	0.6	2.7	
COLUMN TOTAL	243	41	2	30	4	17	337
	72.1	12.2	0.6	8.9	1.2	5.0	100.0

RAW CHI SQUARE = 3.52811 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9661
CONTINGENCY COEFFICIENT = 0.10179

NUMBER OF MISSING OBSERVATIONS = 54

* CROSSTABULATION OF * * * * * * * * * * * *

P069 BY POS

* * * * * * * * * * * * * * * * * * * \

* CROSSTABULATION OF * * * * * * * * * * * *

P070 BY POS

* PAG

P070	POS 1	2	3	4	5	6	ROW TOTAL
1	5	2	0	0	0	0	7
	71.4	28.6	0.0	0.0	0.0	0.0	2.0
	2.0	4.8	0.0	0.0	0.0	0.0	
	1.4	0.6	0.0	0.0	0.0	0.0	
2	116	18	1	10	2	8	155
	74.8	11.6	0.6	6.5	1.3	5.2	44.3
	45.7	42.9	50.0	31.3	66.7	47.1	
	33.1	5.1	0.3	2.9	0.6	2.3	
3	133	22	1	22	1	9	188
	70.7	11.7	0.5	11.7	0.5	4.8	53.7
	52.4	52.4	50.0	68.8	33.3	52.9	
	38.0	6.3	0.3	6.3	0.3	2.6	
COLUMN TOTAL	254	42	2	32	3	17	350
	72.6	12.0	0.6	9.1	0.9	4.9	100.0

RAW CHI SQUARE = 6.10996 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.8059
CONTINGENCY COEFFICIENT = 0.13099

NUMBER OF MISSING OBSERVATIONS = 41

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * *
P071 BY POS
* * * * * * * * * * * * * * * * * * * \

* CROSSTABULATION OF * * * * * * * * * * * *

P072 BY POS

* PA

P072	POS 1	2	3	4	5	6	ROW TOTAL
1	7	2	0	1	0	0	10
	70.0	20.0	0.0	10.0	0.0	0.0	2.8
	2.7	4.8	0.0	3.1	0.0	0.0	
	2.0	0.6	0.0	0.3	0.0	0.0	
2	96	13	0	7	1	5	122
	78.7	10.7	0.0	5.7	0.8	4.1	34.3
	37.1	31.0	0.0	21.9	25.0	29.4	
	27.0	3.7	0.0	2.0	0.3	1.4	
3	156	27	2	24	3	12	224
	69.6	12.1	0.9	10.7	1.3	5.4	62.9
	60.2	64.3	100.0	75.0	75.0	70.6	
	43.8	7.6	0.6	6.7	0.8	3.4	
COLUMN TOTAL	259	42	2	32	4	17	356
	72.8	11.8	0.6	9.0	1.1	4.8	100.0

RAW CHI SQUARE = 6.04182 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.8117
CONTINGENCY COEFFICIENT = 0.12918

NUMBER OF MISSING OBSERVATIONS = 35

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P073 BY POS

P073	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		25	7	0	4	0	1	37
		67.6	18.9	0.0	10.8	0.0	2.7	11.9
		11.4	16.7	0.0	12.9	0.0	6.7	
		8.0	2.2	0.0	1.3	0.0	0.3	
2		105	18	1	10	2	6	142
		73.9	12.7	0.7	7.0	1.4	4.2	45.5
		47.9	42.9	50.0	32.3	66.7	40.0	
		33.7	5.8	0.3	3.2	0.6	1.9	
3		89	17	1	17	1	8	133
		66.9	12.8	0.8	12.8	0.8	6.0	42.6
		40.6	40.5	50.0	54.8	33.3	53.3	
		28.5	5.4	0.3	5.4	0.3	2.6	
COLUMN TOTAL		219	42	2	31	3	15	312
		70.2	13.5	0.6	9.9	1.0	4.8	100.0

RAW CHI SQUARE = 5.59045 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.8484
CONTINGENCY COEFFICIENT = 0.13268

NUMBER OF MISSING OBSERVATIONS = 79

* CROSSTABULATION OF * * * * * * * * * * * * * * *
PO74 BY POS
* PAG

PO74	POS 1	2	3	4	5	6	ROW TOTAL
1	COUNT 14	2	0	1	0	2	19
	ROW PCT 73.7	10.5	0.0	5.3	0.0	10.5	5.6
	COL PCT 5.8	4.8	0.0	3.1	0.0	11.8	
	TOT PCT 4.1	0.6	0.0	0.3	0.0	0.6	
2	COUNT 127	20	2	15	4	5	173
	ROW PCT 73.4	11.6	1.2	8.7	2.3	2.9	50.9
	COL PCT 52.3	47.6	100.0	46.9	100.0	29.4	
	TOT PCT 37.4	5.9	0.6	4.4	1.2	1.5	
3	COUNT 102	20	0	16	0	10	148
	ROW PCT 68.9	13.5	0.0	10.8	0.0	6.8	43.5
	COL PCT 42.0	47.6	0.0	50.0	0.0	58.8	
	TOT PCT 30.0	5.9	0.0	4.7	0.0	2.9	
COLUMN TOTAL	243	42	2	32	4	17	340
	71.5	12.4	0.6	9.4	1.2	5.0	100.0

RAW CHI SQUARE = 10.70187 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.3812
CONTINGENCY COEFFICIENT = 0.17469

NUMBER OF MISSING OBSERVATIONS = 51

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P075 BY POS PA

P075	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		9	2	0	0	0	0	11
		81.8	18.2	0.0	0.0	0.0	0.0	3.2
		3.6	4.8	0.0	0.0	0.0	0.0	
		2.6	0.6	0.0	0.0	0.0	0.0	
2		125	18	1	12	3	7	166
		75.3	10.8	0.6	7.2	1.8	4.2	48.1
		50.4	42.9	50.0	37.5	75.0	41.2	
		36.2	5.2	0.3	3.5	0.9	2.0	
3		114	22	1	20	1	10	168
		67.9	13.1	0.6	11.9	0.6	6.0	48.7
		46.0	52.4	50.0	62.5	25.0	58.8	
		33.0	6.4	0.3	5.8	0.3	2.9	
COLUMN TOTAL		248	42	2	32	4	17	345
		71.9	12.2	0.6	9.3	1.2	4.9	100.0

RAW CHI SQUARE = 6.83218 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.7412
CONTINGENCY COEFFICIENT = 0.13935

NUMBER OF MISSING OBSERVATIONS = 46

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P076 BY POS
* PA

P076	POS 1	2	3	4	5	6	ROW TOTAL
1	50	7	1	4	0	5	67
	74.6	10.4	1.5	6.0	0.0	7.5	23.7
	24.6	20.6	50.0	15.4	0.0	33.3	
	17.7	2.5	0.4	1.4	0.0	1.8	
2	112	19	1	12	3	5	152
	73.7	12.5	0.7	7.9	2.0	3.3	53.7
	55.2	55.9	50.0	46.2	100.0	33.3	
	39.6	6.7	0.4	4.2	1.1	1.8	
3	41	8	0	10	0	5	64
	64.1	12.5	0.0	15.6	0.0	7.8	22.6
	20.2	23.5	0.0	38.5	0.0	33.3	
	14.5	2.8	0.0	3.5	0.0	1.8	
COLUMN TOTAL	203	34	2	26	3	15	283
	71.7	12.0	0.7	9.2	1.1	5.3	100.0

RAW CHI SQUARE = 10.92242 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.3636
CONTINGENCY COEFFICIENT = 0.19277

NUMBER OF MISSING OBSERVATIONS = 108

* CROSSTABULATION OF * * * * * * * * * * * *

P077 BY POS

* * * * * * * * * * * * * * * * * * * \

P078	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		40	2	1	5	0	3	51
		78.4	3.9	2.0	9.8	0.0	5.9	14.8
		16.1	4.8	50.0	16.1	0.0	18.8	
		11.6	0.6	0.3	1.5	0.0	0.9	
2		135	25	1	12	3	7	183
		73.8	13.7	0.5	6.6	1.6	3.8	53.2
		54.2	59.5	50.0	38.7	75.0	43.8	
		39.2	7.3	0.3	3.5	0.9	2.0	
3		74	15	0	14	1	6	110
		67.3	13.6	0.0	12.7	0.9	5.5	32.0
		29.7	35.7	0.0	45.2	25.0	37.5	
		21.5	4.4	0.0	4.1	0.3	1.7	
COLUMN TOTAL		249	42	2	31	4	16	344
		72.4	12.2	0.6	9.0	1.2	4.7	100.0

RAW CHI SQUARE = 10.92684 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.3632
CONTINGENCY COEFFICIENT = 0.17546

NUMBER OF MISSING OBSERVATIONS = 47

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F *
P079 BY POS
* PA

P079	POS 1	2	3	4	5	6	ROW TOTAL
1	14	3	1	1	0	2	21
	66.7	14.3	4.8	4.8	0.0	9.5	6.0
	5.5	7.1	50.0	3.2	0.0	11.8	
	4.0	0.9	0.3	0.3	0.0	0.6	
2	109	18	1	8	1	5	142
	76.8	12.7	0.7	5.6	0.7	3.5	40.6
	42.7	42.9	50.0	25.8	33.3	29.4	
	31.1	5.1	0.3	2.3	0.3	1.4	
3	132	21	0	22	2	10	187
	70.6	11.2	0.0	11.8	1.1	5.3	53.4
	51.8	50.0	0.0	71.0	66.7	58.8	
	37.7	6.0	0.0	6.3	0.6	2.9	
COLUMN TOTAL	255	42	2	31	3	17	350
	72.9	12.0	0.6	8.9	0.9	4.9	100.0

RAW CHI SQUARE = 14.06459 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.1701
CONTINGENCY COEFFICIENT = 0.19655

NUMBER OF MISSING OBSERVATIONS = 41

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * * *
P080 BY POS
* PA

P080	POS 1	2	3	4	5	6	ROW TOTAL
1	34	3	1	1	1	0	40
	85.0	7.5	2.5	2.5	2.5	0.0	11.4
	13.3	7.1	50.0	3.3	33.3	0.0	
	9.7	0.9	0.3	0.3	0.3	0.0	
2	130	18	1	11	2	10	172
	75.6	10.5	0.6	6.4	1.2	5.8	49.1
	50.8	42.9	50.0	36.7	66.7	58.8	
	37.1	5.1	0.3	3.1	0.6	2.9	
3	92	21	0	18	0	7	138
	66.7	15.2	0.0	13.0	0.0	5.1	39.4
	35.9	50.0	0.0	60.0	0.0	41.2	
	26.3	6.0	0.0	5.1	0.0	2.0	
COLUMN TOTAL	256	42	2	30	3	17	350
	73.1	12.0	0.6	8.6	0.9	4.9	100.0

RAW CHI SQUARE = 18.09592 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0534
CONTINGENCY COEFFICIENT = 0.22172

NUMBER OF MISSING OBSERVATIONS = 41

* CROSSTABULATION OF *
P081 BY POS
* PAG

P081	POS 1	2	3	4	5	6	ROW TOTAL
1	5	2	0	1	0	2	10
	50.0	20.0	0.0	10.0	0.0	20.0	2.9
	2.0	4.9	0.0	3.2	0.0	12.5	
	1.4	0.6	0.0	0.3	0.0	0.6	
2	90	14	2	6	3	5	120
	75.0	11.7	1.7	5.0	2.5	4.2	34.6
	35.6	34.1	100.0	19.4	75.0	31.3	
	25.9	4.0	0.6	1.7	0.9	1.4	
3	158	25	0	24	1	9	217
	72.8	11.5	0.0	11.1	0.5	4.1	62.5
	62.5	61.0	0.0	77.4	25.0	56.3	
	45.5	7.2	0.0	6.9	0.3	2.6	
COLUMN TOTAL	253	41	2	31	4	16	347
	72.9	11.8	0.6	8.9	1.2	4.6	100.0

RAW CHI SQUARE = 16.54442 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0851
CONTINGENCY COEFFICIENT = 0.21333

NUMBER OF MISSING OBSERVATIONS = 44

* CROSSTABULATION OF * * * * * * * * * * * * * * * * * * *

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * *

P083 BY PDS

* * * * * * * * * * * * * * * * * * * \

* CROSSTABULATION OF P084 BY P05 * * * * * * * * * * * * * * * * * * *

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P085 BY POS
* PA

P085	POS 1	2	3	4	5	6	ROW TOTAL
1	8	5	0	2	0	0	15
	53.3	33.3	0.0	13.3	0.0	0.0	4.3
	3.2	11.9	0.0	6.3	0.0	0.0	
	2.3	1.4	0.0	0.6	0.0	0.0	
2	132	15	1	12	3	7	170
	77.6	8.8	0.6	7.1	1.8	4.1	48.9
	52.2	35.7	50.0	37.5	75.0	46.7	
	37.9	4.3	0.3	3.4	0.9	2.0	
3	113	22	1	18	1	8	163
	69.3	13.5	0.6	11.0	0.6	4.9	46.8
	44.7	52.4	50.0	56.3	25.0	53.3	
	32.5	6.3	0.3	5.2	0.3	2.3	
COLUMN TOTAL	253	42	2	32	4	15	348
	72.7	12.1	0.6	9.2	1.1	4.3	100.0

RAW CHI SQUARE = 12.73559 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.2388
CONTINGENCY COEFFICIENT = 0.18789

NUMBER OF MISSING OBSERVATIONS = 43

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * *

P086 BY POS

* PAG

P086	POS	1	2	3	4	5	6	ROW TOTAL
1	COUNT	0	1	0	1	0	1	3
	ROW PCT	0.0	33.3	0.0	33.3	0.0	33.3	0.8
	COL PCT	0.0	2.4	0.0	3.2	0.0	5.9	
	TOT PCT	0.0	0.3	0.0	0.3	0.0	0.3	
2	COUNT	35	17	1	7	1	6	117
	ROW PCT	72.6	14.5	0.9	6.0	0.9	5.1	33.1
	COL PCT	32.9	40.5	50.0	22.6	33.3	35.3	
	TOT PCT	24.1	4.8	0.3	2.0	0.3	1.7	
3	COUNT	173	24	1	23	2	10	233
	ROW PCT	74.2	10.3	0.4	9.9	0.9	4.3	66.0
	COL PCT	67.1	57.1	50.0	74.2	66.7	58.8	
	TOT PCT	49.0	6.8	0.3	6.5	0.6	2.8	
COLUMN TOTAL		258	42	2	31	3	17	353
		73.1	11.9	0.6	8.8	0.8	4.8	100.0

RAW CHI SQUARE = 13.51033 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.1965
CONTINGENCY COEFFICIENT = 0.19199

NUMBER OF MISSING OBSERVATIONS = 38

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * *
P087 BY POS
* PAG

P087	POS 1	2	3	4	5	6	ROW TOTAL
1	1	2	0	1	0	0	4
	25.0	50.0	0.0	25.0	0.0	0.0	1.1
	0.4	4.8	0.0	3.2	0.0	0.0	
	0.3	0.6	0.0	0.3	0.0	0.0	
2	100	18	1	8	1	9	137
	73.0	13.1	0.7	5.8	0.7	6.6	39.4
	39.5	42.9	50.0	25.8	33.3	52.9	
	28.7	5.2	0.3	2.3	0.3	2.6	
3	152	22	1	22	2	8	207
	73.4	10.6	0.5	10.6	1.0	3.9	59.5
	60.1	52.4	50.0	71.0	66.7	47.1	
	43.7	6.3	0.3	6.3	0.6	2.3	
COLUMN TOTAL	253	42	2	31	3	17	348
	72.7	12.1	0.6	8.9	0.9	4.9	100.0

RAW CHI SQUARE = 11.45256 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.3234
CONTINGENCY COEFFICIENT = 0.17850

NUMBER OF MISSING OBSERVATIONS = 43

* CROSSTABULATION OF * * * * * * * * * * * * * * *
P088 BY POS
* PAG

P088 \ POS	1	2	3	4	5	6	ROW TOTAL
1	2	3	0	2	0	1	8
	25.0	37.5	0.0	25.0	0.0	12.5	2.5
	0.8	7.3	0.0	6.5	0.0	5.9	
	0.6	0.9	0.0	0.6	0.0	0.3	
2	112	18	1	8	2	7	148
	75.7	12.2	0.7	5.4	1.4	4.7	46.3
	43.8	43.9	50.0	25.8	66.7	41.2	
	35.0	5.6	0.3	2.5	0.6	2.2	
3	142	20	1	21	1	9	174
	73.2	10.3	0.5	10.8	0.5	4.6	54.4
	55.5	48.8	50.0	67.7	33.3	52.9	
	44.4	6.3	0.3	6.6	0.3	2.8	
COLUMN TOTAL	256	41	2	31	3	17	320
	73.1	11.7	0.6	8.9	0.9	4.9	100.0

RAW CHI SQUARE = 14.57559 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.1483
CONTINGENCY COEFFICIENT = 0.19995

NUMBER OF MISSING OBSERVATIONS = 41

P089 / COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1	2	2	0	0	0	0	4
	50.0	50.0	0.0	0.0	0.0	0.0	1.1
	0.8	4.8	0.0	0.0	0.0	0.0	
	0.6	0.6	0.0	0.0	0.0	0.0	
2	39	14	1	8	1	8	141
	73.6	11.6	0.8	6.6	0.8	6.6	34.3
	34.5	33.3	50.0	26.7	25.0	47.1	
	25.2	4.0	0.3	2.3	0.3	2.3	
3	167	26	1	22	3	9	248
	73.2	11.4	0.4	9.6	1.3	3.9	64.6
	64.7	61.9	50.0	73.3	75.0	52.9	
	47.3	7.4	0.3	6.2	0.8	2.5	
COLUMN TOTAL	258	42	2	30	4	17	393
	73.1	11.9	0.6	8.5	1.1	4.8	100.0

RAW CHI SQUARE = 8.24222 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6052
CONTINGENCY COEFFICIENT = 0.15105

NUMBER OF MISSING OBSERVATIONS = 38

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P090 BY POS
* PAGE

P090	POS 1	2	3	4	5	6	ROW TOTAL
1	52	3	2	4	2	3	96
	78.8	4.5	3.0	6.1	3.0	4.5	19.3
	20.4	7.7	100.0	15.4	50.0	18.8	
	15.2	0.9	0.6	1.2	0.6	0.9	
2	162	29	0	16	2	8	217
	74.7	13.4	0.0	7.4	0.9	3.7	63.5
	63.5	74.4	0.0	61.5	50.0	50.0	
	47.4	8.5	0.0	4.7	0.6	2.3	
3	41	7	0	6	0	5	59
	69.5	11.9	0.0	10.2	0.0	8.5	17.3
	16.1	17.9	0.0	23.1	0.0	31.3	
	12.0	2.0	0.0	1.8	0.0	1.5	
COLUMN TOTAL	255	39	2	26	4	16	342
	74.6	11.4	0.6	7.6	1.2	4.7	100.0

RAW CHI SQUARE = 17.95663 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0557
CONTINGENCY COEFFICIENT = 0.22335

NUMBER OF MISSING OBSERVATIONS = 49

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * * * * *
P091 BY POS
* PAG

P091	POS 1	2	3	4	5	6	ROW TOTAL
1	37	1	2	3	1	2	46
	80.4	2.2	4.3	6.5	2.2	4.3	13.4
	14.7	2.6	100.0	9.7	25.0	12.5	
	10.8	0.3	0.6	0.9	0.3	0.6	
2	150	20	0	12	3	6	191
	78.5	10.5	0.0	6.3	1.6	3.1	55.5
	59.5	51.3	0.0	38.7	75.0	37.5	
	43.6	5.8	0.0	3.5	0.9	1.7	
3	65	18	0	16	0	8	107
	60.7	16.8	0.0	15.0	0.0	7.5	31.1
	25.8	46.2	0.0	51.6	0.0	50.0	
	18.9	5.2	0.0	4.7	0.0	2.3	
COLUMN TOTAL	252	39	2	31	4	16	344
	73.3	11.3	0.6	9.0	1.2	4.7	100.0

RAW CHI SQUARE = 33.45471 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0002
CONTINGENCY COEFFICIENT = 0.29771

NUMBER OF MISSING OBSERVATIONS = 47

P092 \ POS	1	2	3	4	5	6	ROW TOTAL
1	11	2	1	1	0	1	16
	68.8	12.5	6.3	6.3	0.0	6.3	4.6
	4.3	5.1	50.0	3.3	0.0	5.9	
	3.2	0.6	0.3	0.3	0.0	0.3	
2	138	15	1	14	3	7	178
	77.5	8.4	0.6	7.9	1.7	3.9	51.1
	53.9	38.5	50.0	46.7	75.0	41.2	
	39.7	4.3	0.3	4.0	0.9	2.0	
3	107	22	0	15	1	9	154
	69.5	14.3	0.0	9.7	0.6	5.8	44.3
	41.8	56.4	0.0	50.0	25.0	52.9	
	30.7	6.3	0.0	4.3	0.3	2.6	
COLUMN TOTAL	256	39	2	30	4	17	348
	73.6	11.2	0.6	8.6	1.1	4.9	100.0

RAW CHI SQUARE = 15.27761 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.1223
CONTINGENCY COEFFICIENT = 0.20507

NUMBER OF MISSING OBSERVATIONS = 43

* CROSSTABULATION OF * * * * * * * * * * * *

P093 BY POS

* PAG

P093	POS 1	2	3	4	5	6	ROW TOTAL
1	12	1	0	1	0	1	15
	80.0	6.7	0.0	6.7	0.0	6.7	4.3
	4.7	2.6	0.0	3.3	0.0	5.9	
	3.4	0.3	0.0	0.3	0.0	0.3	
2	126	17	2	14	3	7	169
	74.6	10.1	1.2	8.3	1.8	4.1	48.6
	49.2	43.6	100.0	46.7	75.0	41.2	
	36.2	4.9	0.6	4.0	0.9	2.0	
3	118	21	0	15	1	9	164
	72.0	12.8	0.0	9.1	0.6	5.5	47.1
	46.1	53.8	0.0	50.0	25.0	52.9	
	33.9	6.0	0.0	4.3	0.3	2.6	
COLUMN TOTAL	256	39	2	30	4	17	348
	73.6	11.2	0.6	8.6	1.1	4.9	100.0

RAW CHI SQUARE = 4.84692 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9012
CONTINGENCY COEFFICIENT = 0.11720

NUMBER OF MISSING OBSERVATIONS = 43

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE TEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * * * *
P094 BY POS
* PA

P094 \ POS	1	2	3	4	5	6	ROW TOTAL
	3	0	0	1	0	3	7
	18.9	0.0	0.0	11.1	0.0	0.0	2.6
	3.1	0.0	0.0	3.2	0.0	0.0	
	2.3	0.0	0.0	0.3	0.0	0.0	
	13	15	2	12	2	7	45
	72.5	33.3	4.4	26.7	4.4	15.6	16.7
	13.2	38.5	100.0	38.7	50.0	41.2	
	3.7	4.3	0.6	3.4	0.6	2.0	
	137	24	0	18	2	10	201
	73.1	11.9	0.0	9.0	1.0	5.0	57.8
	57.6	61.5	0.0	58.1	50.0	58.8	
	42.2	6.9	0.0	5.2	0.6	2.9	
COLUMN TOTAL	255	39	2	31	4	17	348
	73.3	11.2	0.6	8.9	1.1	4.9	100.0

RAW CHI SQUARE = 5.23747 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.8748
CONTINGENCY COEFFICIENT = 0.12177

NUMBER OF MISSING OBSERVATIONS = 43

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * * * * *
U94 BY POS
* PA

	POS						
COUNT / ROW PCT / COL PCT / TOT PCT	1	2	3	4	5	6	ROW TOTAL
U94 2	25	8	0	8	0	1	42
	59.5	19.0	0.0	19.0	0.0	2.4	11.2
	8.9	20.0	0.0	26.7	0.0	5.6	
	6.7	2.1	0.0	2.1	0.0	0.3	
1	255	32	2	22	4	17	332
	76.8	9.6	0.6	6.6	1.2	5.1	88.8
	91.1	80.0	100.0	73.3	100.0	94.4	
	68.2	8.6	0.5	5.9	1.1	4.5	
COLUMN TOTAL	280	40	2	30	4	18	374
	74.9	10.7	0.5	8.0	1.1	4.8	100.0

RAW CHI SQUARE = 13.08532 WITH 5 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0226
CONTINGENCY COEFFICIENT = 0.18386

NUMBER OF MISSING OBSERVATIONS = 17

FILE (TEST) (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

CROSSTABULATION OF PDS BY PDS

PDS	COUNT / ROW PCT / COL PCT / TOT PCT	PDS 1	2	3	4	5	6	ROW TOTAL
		12	4	0	1	0	0	17
		70.6	23.5	0.0	5.9	0.0	0.0	4.9
		4.7	10.3	0.0	3.2	0.0	0.0	
		3.5	1.2	0.0	0.3	0.0	0.0	
		159	15	2	13	3	3	195
		75.7	7.9	1.2	7.7	1.8	4.7	48.6
		59.6	38.5	100.0	41.9	75.0	47.1	
		37.0	4.3	0.6	3.8	0.9	2.3	
		113	20	0	17	1	9	160
		70.6	12.5	0.0	10.6	0.6	5.6	46.2
		44.7	51.3	0.0	54.8	25.0	52.9	
		32.7	5.8	0.0	4.9	0.3	2.6	
COL TOT		253	39	2	31	4	17	346
COL PCT		73.1	11.3	0.6	9.0	1.2	4.9	100.0

RAW CHI SQUARE = 8.88171 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.5434
CONTINGENCY COEFFICIENT = 0.15820

NUMBER OF MISSING OBSERVATIONS = 45

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * *

P096 BY POS

* * * * * * * * * * * * * * * * * * * \

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F * * * * * * * * * * * * *
P097 BY POS
* * * * * * * * * * * * * * * * * * * \

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE WEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* C R O S S T A B U L A T I O N O F *
POS6 BY POS
* PAG

POS6	POS 1	2	3	4	5	6	ROW TOTAL
	11	0	1	1	0	1	14
	78.6	0.0	7.1	7.1	0.0	7.1	4.1
	6.6	0.0	50.0	3.6	0.0	5.9	
	3.2	0.0	0.3	0.3	0.0	0.3	
	133	17	1	12	2	7	172
	77.3	9.9	0.6	7.0	1.2	4.1	50.6
	53.0	44.6	50.0	42.9	66.7	41.2	
	39.1	5.0	0.3	3.5	0.6	2.1	
	107	22	0	15	1	9	154
	69.5	14.3	0.0	9.7	0.6	5.8	45.3
	42.6	55.4	0.0	53.6	33.3	52.9	
	31.5	6.5	0.0	4.4	0.3	2.6	
COL TOT	251	39	2	28	3	17	340
TOT %	73.8	11.5	0.6	8.2	0.9	5.0	100.0

RAW CHI SQUARE = 16.69255 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0814
CONTINGENCY COEFFICIENT = 0.21633

NUMBER OF MISSING OBSERVATIONS = 51

* CROSSTABULATION OF * * * * * * * * * * * *

P099 BY P05

* * * * * * * * * * * * * * * * * * * \

* CROSSTABULATION OF *
P100 BY POS
* PA

P100	POS 1	2	3	4	5	6	ROW TOTAL
1	7	1	0	1	0	1	10
	70.0	10.0	0.0	10.0	0.0	10.0	2.9
	2.7	2.5	0.0	3.3	0.0	5.9	
	2.0	0.3	0.0	0.3	0.0	0.3	
2	112	17	1	8	1	6	145
	77.2	11.7	0.7	5.5	0.7	4.1	41.7
	43.9	42.5	50.0	26.7	25.0	35.3	
	32.2	4.9	0.3	2.3	0.3	1.7	
3	136	22	1	21	3	10	193
	70.5	11.4	0.5	10.9	1.6	5.2	55.5
	53.3	55.0	50.0	70.0	75.0	58.8	
	39.1	6.3	0.3	6.0	0.9	2.9	
COLUMN TOTAL	255	40	2	30	4	17	348
	73.3	11.5	0.6	8.6	1.1	4.9	100.0

RAW CHI SQUARE = 4.84152 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.9015
CONTINGENCY COEFFICIENT = 0.11714

NUMBER OF MISSING OBSERVATIONS = 43

* CROSSTABULATION OF *

P101 BY POS

* * * * * * * * * * * * * * * * * * * \

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 PA

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * *
P102 BY POS
* PAG

P102 \ POS	1	2	3	4	5	6	ROW TOTAL
1	15	2	0	0	0	0	17
	88.2	11.8	0.0	0.0	0.0	0.0	5.0
	6.0	5.0	0.0	0.0	0.0	0.0	
	4.4	0.6	0.0	0.0	0.0	0.0	
2	116	23	2	12	2	9	164
	70.7	14.0	1.2	7.3	1.2	5.5	48.2
	46.6	57.5	100.0	42.9	50.0	52.9	
	34.1	6.8	0.6	3.5	0.6	2.6	
3	118	15	0	16	2	8	159
	74.2	9.4	0.0	10.1	1.3	5.0	46.8
	47.4	37.5	0.0	57.1	50.0	47.1	
	34.7	4.4	0.0	4.7	0.6	2.4	
COLUMN TOTAL	249	40	2	28	4	17	340
	73.2	11.8	0.6	8.2	1.2	5.0	100.0

RAW CHI SQUARE = 7.62844 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6651
CONTINGENCY COEFFICIENT = 0.14814

NUMBER OF MISSING OBSERVATIONS = 51

* CROSSTABULATION OF * * * * * * * * * * * *

P103 BY POS

* PAG

P103	POS 1	2	3	4	5	6	ROW TOTAL
1	17	3	0	2	0	0	22
	77.3	13.6	0.0	9.1	0.0	0.0	6.4
	6.8	7.5	0.0	7.1	0.0	0.0	
	5.0	0.9	0.0	0.6	0.0	0.0	
2	136	24	1	11	4	11	187
	72.7	12.8	0.5	5.9	2.1	5.9	54.7
	54.2	60.0	50.0	39.3	100.0	64.7	
	39.8	7.0	0.3	3.2	1.2	3.2	
3	98	13	1	15	0	6	133
	73.7	9.8	0.8	11.3	0.0	4.5	38.9
	39.0	32.5	50.0	53.6	0.0	35.3	
	28.7	3.8	0.3	4.4	0.0	1.8	
COLUMN TOTAL	251	40	2	28	4	17	342
	73.4	11.7	0.6	8.2	1.2	5.0	100.0

RAW CHI SQUARE = 8.52153 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.5780
CONTINGENCY COEFFICIENT = 0.15592

NUMBER OF MISSING OBSERVATIONS = 49

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * *
P104 BY POS
* PAG

P104	POS 1	2	3	4	5	6	ROW TOTAL
1	20	3	0	2	0	1	26
	76.9	11.5	0.0	7.7	0.0	3.8	7.9
	8.3	7.9	0.0	6.9	0.0	6.7	
	6.1	0.9	0.0	0.6	0.0	0.3	
2	154	25	2	13	4	8	206
	74.8	12.1	1.0	6.3	1.9	3.9	62.4
	63.6	65.8	100.0	44.8	100.0	53.3	
	46.7	7.6	0.6	3.9	1.2	2.4	
3	68	10	0	14	0	6	98
	69.4	10.2	0.0	14.3	0.0	6.1	29.7
	28.1	26.3	0.0	48.3	0.0	40.0	
	20.6	3.0	0.0	4.2	0.0	1.8	
COLUMN TOTAL	242	38	2	29	4	15	330
	73.3	11.5	0.6	8.8	1.2	4.5	100.0

RAW CHI SQUARE = 9.74504 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.4631
CONTINGENCY COEFFICIENT = 0.16936

NUMBER OF MISSING OBSERVATIONS = 61

* CROSSTABULATION OF * * * * * * * * * * * *

P105 BY POS

* PAG

P105	POS 1	2	3	4	5	6	ROW TOTAL
1	64	9	1	4	1	2	81
	79.0	11.1	1.2	4.9	1.2	2.5	27.6
	29.8	26.5	50.0	16.0	25.0	14.3	
	21.8	3.1	0.3	1.4	0.3	0.7	
2	112	19	1	13	3	8	156
	71.8	12.2	0.6	8.3	1.9	5.1	53.1
	52.1	55.9	50.0	52.0	75.0	57.1	
	38.1	6.5	0.3	4.4	1.0	2.7	
3	39	6	0	8	0	4	57
	68.4	10.5	0.0	14.0	0.0	7.0	19.4
	18.1	17.6	0.0	32.0	0.0	28.6	
	13.3	2.0	0.0	2.7	0.0	1.4	
COLUMN TOTAL	215	34	2	25	4	14	294
	73.1	11.6	0.7	8.5	1.4	4.8	100.0

RAW CHI SQUARE = 7.43190 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.6841
CONTINGENCY COEFFICIENT = 0.15702

NUMBER OF MISSING OBSERVATIONS = 97

* * * * * * * * * * * * * * * * * * * CROSSTABULATION OF * * * * * * * * * * * *
P106 BY POS
* PAG

P106	POS 1	2	3	4	5	6	ROW TOTAL
1	21	6	0	1	1	0	29
	72.4	20.7	0.0	3.4	3.4	0.0	8.5
	8.4	15.4	0.0	3.6	25.0	0.0	
	6.2	1.8	0.0	0.3	0.3	0.0	
2	153	22	2	15	3	10	205
	74.6	10.7	1.0	7.3	1.5	4.9	60.1
	61.0	56.4	100.0	53.6	75.0	58.8	
	44.9	6.5	0.6	4.4	0.9	2.9	
3	77	11	0	12	0	7	107
	72.0	10.3	0.0	11.2	0.0	6.5	31.4
	30.7	28.2	0.0	42.9	0.0	41.2	
	22.6	3.2	0.0	3.5	0.0	2.1	
COLUMN TOTAL	251	39	2	28	4	17	341
	73.6	11.4	0.6	8.2	1.2	5.0	100.0

RAW CHI SQUARE = 10.61572 WITH 10 DEGREES OF FREEDOM. SIGNIFICANCE = 0.3882
CONTINGENCY COEFFICIENT = 0.17376

NUMBER OF MISSING OBSERVATIONS = 50

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * * * *

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * * * *

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79 P

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF *
P109 BY POS

P109	COUNT / ROW PCT / COL PCT / TOT PCT	POS 1	2	3	4	5	6	ROW TOTAL
1		13	3	1	2	0	1	20
		65.0	15.0	5.0	10.0	0.0	5.0	5.9
		5.2	7.7	50.0	6.9	0.0	5.9	
		3.8	0.9	0.3	0.6	0.0	0.3	
2		174	24	1	13	3	11	226
		77.0	10.6	0.4	5.8	1.3	4.9	66.3
		69.6	61.5	50.0	44.8	75.0	64.7	
		51.0	7.0	0.3	3.8	0.9	3.2	
3		63	12	0	14	1	5	95
		66.3	12.6	0.0	14.7	1.1	5.3	27.9
		25.2	30.8	0.0	48.3	25.0	29.4	
		18.5	3.5	0.0	4.1	0.3	1.5	
COLUMN TOTAL		250	39	2	29	4	17	341
		73.3	11.4	0.6	8.5	1.2	5.0	100.0

RAW CHI SQUARE = 15.70991 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.1082
CONTINGENCY COEFFICIENT = 0.20986

NUMBER OF MISSING OBSERVATIONS = 50

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * * * * * * * * *

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES 03/13/79

FILE QUEST (CREATION DATE = 03/13/79) QUESTIONNAIRE ANALYSIS FOR PROJECT SECT

* CROSSTABULATION OF * * * * * * * * * * * *
P111 BY POS
* *

P111	POS COUNT ROW PCT COL PCT TOT PCT	1	2	3	4	5	6	ROW TOTAL
1		52	7	2	3	1	3	68
		76.5	10.3	2.9	4.4	1.5	4.4	19.9
		20.7	18.4	100.0	10.3	25.0	17.6	
		15.2	2.1	0.6	0.9	0.3	0.9	
2		149	23	0	18	3	9	202
		73.8	11.4	0.0	8.9	1.5	4.5	59.2
		59.4	60.5	0.0	62.1	75.0	52.9	
		43.7	6.7	0.0	5.3	0.9	2.6	
3		50	8	0	8	0	5	71
		70.4	11.3	0.0	11.3	0.0	7.0	20.8
		19.9	21.1	0.0	27.6	0.0	29.4	
		14.7	2.3	0.0	2.3	0.0	1.5	
COLUMN TOTAL		251	38	2	29	4	17	341
		73.6	11.1	0.6	8.5	1.2	5.0	100.0

RAW CHI SQUARE = 12.08842 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.2792
CONTINGENCY COEFFICIENT = 0.18503

NUMBER OF MISSING OBSERVATIONS = 50

* CROSSTABULATION OF *
P112 BY POS
* PA

P112	POS	1	2	3	4	5	6	ROW TOTAL
	1	33	9	1	4	0	2	49
		67.3	18.4	2.0	8.2	0.0	4.1	14.5
		13.2	23.7	50.0	13.8	0.0	12.5	
		9.7	2.7	0.3	1.2	0.0	0.6	
	2	175	23	1	12	4	11	226
		77.4	10.2	0.4	5.3	1.8	4.9	66.7
		70.0	60.5	50.0	41.4	100.0	68.8	
		51.6	6.8	0.3	3.5	1.2	3.2	
	3	42	6	0	13	0	3	64
		65.6	9.4	0.0	20.3	0.0	4.7	18.9
		16.8	15.8	0.0	44.8	0.0	18.8	
		12.4	1.8	0.0	3.8	0.0	0.9	
COLUMN TOTAL		250	38	2	29	4	16	339
		73.7	11.2	0.6	8.6	1.2	4.7	100.0

RAW CHI SQUARE = 21.30316 WITH 10 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0181
CONTINGENCY COEFFICIENT = 0.24316

NUMBER OF MISSING OBSERVATIONS = 52